

|                                                       | 1.2-1.3 Megapixel                                                                 |                                                                                   | 1080p                                                                             |                                                                                   | 3 Megapixel                                                                       |                                                                                   | 5 Megapixel                                                                          |                                                                                      | 10 Megapixel                                                                                                                                              |                                                                                     |                                                                                     |                                                                                                                                 |                                                                                     |                                                                                                          |                                                                                             |
|-------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|                                                       |  |  |  |  |  |  |   |   |                                                                        |  |  |                                              |  |                       |          |
|                                                       | AV1115v1                                                                          | AV1215PM-S                                                                        | AV2115v1                                                                          | AV2116DNv1                                                                        | AV2215PM-S                                                                        | AV2216PM-S                                                                        | AV3115v1                                                                             | AV3116DNv1                                                                           | AV3236                                                                                                                                                    | AV3215PM-S                                                                          | AV3216PM-S                                                                          | AV5115v1                                                                                                                        | AV5215PM-S                                                                          | AV10115v1                                                                                                | AV10215PM-S                                                                                 |
| Image Sensor Type                                     | 1.3MP Effective, 1/2.7" CMOS                                                      | 1.2MP, 1/3" CMOS                                                                  | 2.07MP, 1/2" CMOS                                                                 | 2.07MP Effective, 1/3.2" CMOS                                                     | 1080p, 1/3" CMOS                                                                  | 1080p, 1/3.2" CMOS                                                                | 3MP Effective, 1/2" CMOS                                                             | 3MP, 1/3.2" CMOS                                                                     | 3MP, 1/3.2" CMOS Color WDR 1.3MP, 1/3" CMOS B/W                                                                                                           | 3MP, 1/3" CMOS                                                                      | 3MP, 1/3.2" CMOS                                                                    | 5MP, 1/2.5" CMOS                                                                                                                |                                                                                     |                                                                                                          | 10MP, 1/2.3" CMOS                                                                           |
| Maximum Resolution                                    | 1280 x 1024                                                                       | 1280 x 960                                                                        | 1980 x 1080                                                                       |                                                                                   | 1920 x 1080                                                                       |                                                                                   | 2048 x 1536                                                                          |                                                                                      | 2048 x 1536 - 3MP 1280 x 960 - 1.2MP                                                                                                                      | 2048 x 1536                                                                         |                                                                                     | 2592 x 1944                                                                                                                     |                                                                                     | Mode1: 3648 x 2752<br>Mode2: 1920 x 1080                                                                 | 3648 x 2752                                                                                 |
| Minimum Illumination                                  | Color: 0.1 Lux<br>Day/Night: 0 Lux, IR Sensitive                                  | Color: 0.02 Lux<br>Day/Night: 0.002 Lux, IR Sensitive                             | Color: 0.1 Lux<br>Day/Night: 0 Lux, IR Sensitive                                  | Color: 0.3 Lux<br>Day/Night: 0 Lux, IR Sensitive                                  | Color: 0.1 Lux<br>Day/Night: 0.02 Lux, IR Sensitive                               | Color: 0.3 Lux<br>Day/Night: 0.02 Lux, IR Sensitive                               | Color: 0.3 Lux<br>Color Binning: 0.15 Lux<br>Day/Night: 0 Lux, IR Sensitive          | Color: 0.3 Lux<br>Color Binning: 0.15 Lux<br>Day/Night: 0 Lux, IR Sensitive          | Color: 0.2 Lux<br>Day/Night: 0 Lux, IR Sensitive                                                                                                          | Color: 0.1 Lux<br>Color Binning: 0.05 Lux D/N: 0.02 Lux, IR Sensitive               | Color: 0.3 Lux<br>Color Binning: 0.15 Lux D/N: 0.02 Lux, IR Sensitive               | Color: 0.3 Lux<br>Color Binning: 0.15 Lux<br>Day/Night: 0 Lux, IR Sensitive                                                     | Color: 0.3 Lux<br>Color Binning: 0.15 Lux<br>Day/Night: 0.02 Lux, IR Sensitive      | Color: 0.42 Lux<br>Day/Night: 0 Lux, IR Sensitive                                                        | Color: 0.42 Lux<br>Color Binning: 0.21 Lux<br>Day/Night: 0.03 Lux, IR Sensitive             |
| Max Frame Rates                                       | 42fps (1280x1024)                                                                 | 37fps (1280x960)                                                                  | 31fps (1920x1080),<br>42fps (1280x1024)                                           | 21fps (2048x1536),<br>30fps (1920x1080),<br>41fps (1280x1024)                     | 30fps (1920x1080)                                                                 |                                                                                   | 21fps (2048x1536),<br>29fps (1920x1080),<br>31fps (1600x1200),<br>41fps (1280x1024)  | 21fps (2048x1536),<br>30fps (1920x1080),<br>41fps (1280x1024)                        | 8fps @ Dual Stream (2048 x 1536 B/W upscaled + 2048 x 1536)<br>11fps @ Dual Stream (1280 x 960 B/W + 2048 x 1536) (see datasheet for additional FPS data) | 21fps (2048x1536)                                                                   |                                                                                     | 14fps (2592x1944),<br>16fps (2560x1600),<br>21fps (2048x1536),<br>29fps (1920x1080),<br>31fps (1600x1200),<br>41fps (1280x1024) | 14fps (2592x1944)                                                                   | 7fps (3648x2752),<br>12fps (2592x1944),<br>18fps (2048x1536),<br>26fps (1920x1080),<br>37fps (1280x1024) | 7fps (3648x2752)                                                                            |
| Dynamic Range                                         | 69dB                                                                              | 83.5dB                                                                            | 69dB                                                                              | Up to 100dB                                                                       | 69.5dB                                                                            | Up to 100dB                                                                       | 70.1dB                                                                               | Up to 100dB                                                                          | Up to 100dB                                                                                                                                               | 69.5dB                                                                              | Up to 100dB                                                                         | 70.1dB                                                                                                                          |                                                                                     |                                                                                                          | 57.2dB                                                                                      |
| True Day / Night                                      | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                   | Yes                                                                                  |                                                                                      | Dual Sensor: Color, Black/White                                                                                                                           | Yes                                                                                 |                                                                                     | Yes                                                                                                                             |                                                                                     | Yes                                                                                                      |                                                                                             |
| Motorized P-iris Lens Functionality (sold separately) | –                                                                                 | Yes*                                                                              | –                                                                                 |                                                                                   | Yes*                                                                              |                                                                                   | –                                                                                    |                                                                                      | –                                                                                                                                                         | Yes*                                                                                |                                                                                     | –                                                                                                                               | Yes*                                                                                | –                                                                                                        | Yes*                                                                                        |
| Compression / Multistreaming                          | H.264 (MPEG-4, Part 10)/ Motion JPEG, 8 non-identical streams                     |                                                                                   | H.264 (MPEG-4, Part 10)/ Motion JPEG, 8 non-identical streams                     |                                                                                   | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                      |                                                                                   | H.264 (MPEG-4, Part 10)/ Motion JPEG, 8 non-identical streams                        |                                                                                      | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                                                                                              | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                        |                                                                                     | H.264 (MPEG-4, Part 10)/ Motion JPEG, 8 non-identical streams                                                                   |                                                                                     | H.264 (MPEG-4, Part 10)/ Motion JPEG, 8 non-identical streams                                            |                                                                                             |
| Network Protocols                                     | TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP, DHCP                                          | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4, IPv6                         | TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP, DHCP                                          |                                                                                   | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4, IPv6                         |                                                                                   | TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP, DHCP                                             |                                                                                      | TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP, DHCP                                                                                                                  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4, IPv6                           |                                                                                     | TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP, DHCP                                                                                        | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4, IPv6                           | TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP, DHCP                                                                 | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4, IPv6                                   |
| Alarm                                                 | 1 Input / 1 Output                                                                |                                                                                   | 1 Input / 1 Output                                                                |                                                                                   | 1 Input / 1 Output                                                                |                                                                                   | 1 Input / 1 Output                                                                   |                                                                                      | 1 Input / 1 Output                                                                                                                                        | 1 Input / 1 Output                                                                  |                                                                                     | 1 Input / 1 Output                                                                                                              | 1 Input / 1 Output                                                                  | 1 Input / 1 Output                                                                                       | 1 Input / 1 Output                                                                          |
| Motion Detection                                      | 1024 Zones                                                                        |                                                                                   | 1024 Zones                                                                        |                                                                                   | 1024 Zones                                                                        |                                                                                   | 1024 Zones                                                                           |                                                                                      | 1024 Zones                                                                                                                                                | 1024 Zones                                                                          |                                                                                     | 1024 Zones                                                                                                                      |                                                                                     | 1024 Zones                                                                                               |                                                                                             |
| Lowlight Mode                                         | MoonLight™ Mode                                                                   | MoonLight™ Mode, Stellar™                                                         | MoonLight™ Mode                                                                   |                                                                                   | MoonLight™ Mode                                                                   |                                                                                   | MoonLight™ Mode                                                                      |                                                                                      | MoonLight™ Mode                                                                                                                                           | MoonLight™ Mode                                                                     |                                                                                     | MoonLight™ Mode                                                                                                                 |                                                                                     | MoonLight™ Mode                                                                                          |                                                                                             |
| Casino Mode™                                          | –                                                                                 |                                                                                   | Yes                                                                               | –                                                                                 | Yes                                                                               | –                                                                                 | –                                                                                    |                                                                                      | –                                                                                                                                                         | –                                                                                   |                                                                                     | –                                                                                                                               |                                                                                     | –                                                                                                        | –                                                                                           |
| Shutter Control                                       | 1ms–500ms                                                                         |                                                                                   | 1ms–500ms                                                                         |                                                                                   | 1ms–500ms                                                                         |                                                                                   | 1ms–500ms                                                                            |                                                                                      | 1ms–500ms                                                                                                                                                 | 1ms–500ms                                                                           |                                                                                     | 1ms–500ms                                                                                                                       |                                                                                     | 1ms–500ms                                                                                                |                                                                                             |
| Privacy Mask                                          | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                   | Yes                                                                                  |                                                                                      | Yes                                                                                                                                                       | Yes                                                                                 |                                                                                     | Yes                                                                                                                             |                                                                                     | Yes                                                                                                      |                                                                                             |
| Binning Mode                                          | –                                                                                 |                                                                                   | –                                                                                 |                                                                                   | –                                                                                 |                                                                                   | 46fps @ 1024 x 768,<br>64fps @ 800 x 600,<br>64fps @ 860 x 540,<br>64fps @ 640 x 512 | 21fps @ 1024 x 768,<br>27fps @ 800 x 600,<br>31fps @ 960 x 540,<br>32fps @ 640 x 512 | –                                                                                                                                                         | 30fps @ 1920 x 1080,<br>41fps @ 1280 x 1024                                         |                                                                                     | 34fps @ 1296 x 972,<br>41fps @ 1280 x 800,<br>46fps @ 1024 x 768,<br>64fps @ 800 x 600                                          | 21fps @ 2048 x 1536,<br>29fps @ 1920 x 1080,<br>41fps @ 1280 x 1024                 | 30fps @ 1920 x 1080,<br>25fps @ 1824 x 1376,<br>46fps @ 1296 x 972,<br>57fps @ 1024 x 768                | 12fps @ 2592 x 1944,<br>18fps @ 2048 x 1536,<br>25fps @ 1920 x 1080,<br>37fps @ 1280 x 1024 |
| Power Over Ethernet (PoE)                             | PoE 802.3af                                                                       |                                                                                   | PoE 802.3af                                                                       |                                                                                   | PoE 802.3af                                                                       |                                                                                   | PoE 802.3af                                                                          |                                                                                      | PoE 802.3af                                                                                                                                               | PoE 802.3af                                                                         |                                                                                     | PoE 802.3af                                                                                                                     |                                                                                     | PoE 802.3af                                                                                              | PoE 802.3af                                                                                 |
| All-weather Rating                                    | Yes**                                                                             |                                                                                   | Yes**                                                                             |                                                                                   | Yes**                                                                             |                                                                                   | Yes**                                                                                |                                                                                      | Yes**                                                                                                                                                     | Yes**                                                                               |                                                                                     | Yes**                                                                                                                           |                                                                                     | Yes**                                                                                                    | Yes**                                                                                       |
| Operating Temp.                                       | 23°F to 122°F<br>(–5°C to +50°C)                                                  | 23°F to 122°F<br>(–5°C to +50°C)                                                  | 23°F to 122°F<br>(–5°C to +50°C)                                                  |                                                                                   | 23°F to 122°F<br>(–5°C to +50°C)                                                  |                                                                                   | 23°F to 122°F<br>(–5°C to +50°C)                                                     |                                                                                      | 23°F to 122°F<br>(–5°C to +50°C)                                                                                                                          | 23°F to 122°F<br>(–5°C to +50°C)                                                    |                                                                                     | 23°F to 122°F<br>(–5°C to +50°C)                                                                                                | 23°F to 122°F<br>(–5°C to +50°C)                                                    | 23°F to 122°F<br>(–5°C to +50°C)                                                                         | 23°F to 122°F<br>(–5°C to +50°C)                                                            |
| Vandal Resistant                                      | –                                                                                 |                                                                                   | –                                                                                 |                                                                                   | –                                                                                 |                                                                                   | –                                                                                    |                                                                                      | –                                                                                                                                                         | –                                                                                   |                                                                                     | –                                                                                                                               |                                                                                     | –                                                                                                        | –                                                                                           |
| Remote Zoom / Remote Focus                            | –                                                                                 | Yes*                                                                              | –                                                                                 |                                                                                   | Yes*                                                                              |                                                                                   | –                                                                                    |                                                                                      | –                                                                                                                                                         | Yes*                                                                                |                                                                                     | –                                                                                                                               | Yes*                                                                                | –                                                                                                        | Yes*                                                                                        |
| CorridorView™                                         | –                                                                                 | Yes                                                                               | –                                                                                 |                                                                                   | Yes                                                                               |                                                                                   | –                                                                                    |                                                                                      | –                                                                                                                                                         | Yes                                                                                 |                                                                                     | –                                                                                                                               | Yes                                                                                 | –                                                                                                        | Yes                                                                                         |
| SD Card Slot                                          | –                                                                                 | Yes                                                                               | –                                                                                 |                                                                                   | Yes                                                                               |                                                                                   | –                                                                                    |                                                                                      | –                                                                                                                                                         | Yes                                                                                 |                                                                                     | –                                                                                                                               | Yes                                                                                 | –                                                                                                        | Yes                                                                                         |
| Max. Power Consumption (includes p-iris lens)         | 5 Watts                                                                           | 6.2 Watts                                                                         | 5 Watts                                                                           | 6 Watts                                                                           | 6.9 Watts                                                                         | 7.8 Watts                                                                         | 5.3 Watts                                                                            | 6 Watts                                                                              | 4 Watts                                                                                                                                                   | 6.9 Watts                                                                           | 7.8 Watts                                                                           | 5.3 Watts                                                                                                                       | 7.1 Watts                                                                           | 5.4 Watts                                                                                                | 6.6 Watts (without lens)                                                                    |
| Non-integer Scaling                                   | –                                                                                 | –                                                                                 | –                                                                                 |                                                                                   | Yes                                                                               |                                                                                   | –                                                                                    |                                                                                      | –                                                                                                                                                         | Yes                                                                                 |                                                                                     | –                                                                                                                               | Yes                                                                                 | –                                                                                                        | Yes                                                                                         |

## Mount Accessories:



## P-Iris Lens Accessories\*\*\*:

\*Must use Arecont Vision motorized P-Iris lens (MPL2.8-8.5MPI 1.2MP, 1080p, 3MP models or MPL3.3-8.5MPI 5MP model) for functionality with GEN 5 models

\*\*When combined with Arecont Vision HSG2 housing - 40°C (-40°F) to 60°C (140°F)

\*\*\*When combined with Arecont Vision Dome4 or D450 housings - 5°C (23°F) to +40°C (104°F)

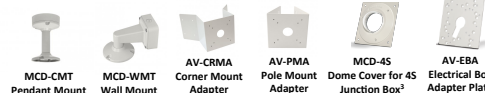
\*\*\*For additional lens options, reference the product datasheet

\*Requires MD-CAP

\*\*Requires either AV-WMJB or AV-PMJB

|                              | 1.2-1.3 Megapixel                                                                 |                                                                                   | 1080p                                                                             |                                                                                   | 3 Megapixel                                                                       |                                                                                     | 5 Megapixel                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
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|                              |  |  |  |  |  |  |  |  |  |  |  |  |
|                              | AV1455DN                                                                          | AV1555DN                                                                          | AV2455DN                                                                          | AV2555DN                                                                          | AV2456DN                                                                          | AV2556DN                                                                            | AV3455DN                                                                            | AV3555DN                                                                            | AV3456DN                                                                            | AV3556DN                                                                            | AV5455DN                                                                            | AV5555DN                                                                            |
| Image Sensor Type            | 1.3MP, 1/2.7" CMOS                                                                | 1.2MP, 1/3" CMOS                                                                  | 2.07MP, 1/2.7" CMOS                                                               | 1080p, 1/3" CMOS                                                                  | 2.07MP, 1/3.2" CMOS                                                               | 1080p, 1/3.2" CMOS                                                                  | 3MP, 1/2.5" CMOS                                                                    | 3MP, 1/3" CMOS                                                                      | 3MP, 1/3.2" CMOS                                                                    | 3MP, 1/3" CMOS                                                                      | 5MP, 1/2.5" CMOS                                                                    | 5MP, 1/2.5" CMOS                                                                    |
| Maximum Resolution           | 1280 x 1024                                                                       | 1280 x 960                                                                        | 1920 x 1080                                                                       | 1920 x 1080                                                                       | 1920 x 1080                                                                       | 1920 x 1080                                                                         | 2048 x 1536                                                                         | 2048 x 1536                                                                         | 2048 x 1536                                                                         | 2048 x 1536                                                                         | 2592 x 1944                                                                         | 2592 x 1944                                                                         |
| 1/4 Resolution               | 640 H x 512 V                                                                     | 640 H x 480 V                                                                     | 960 H x 540 V                                                                     |                                                                                   | 960 H x 540 V                                                                     |                                                                                     | 1024 H x 768 V                                                                      |                                                                                     | 1024 H x 768 V                                                                      |                                                                                     | 1296 H x 972 V                                                                      |                                                                                     |
| Minimum Illumination         | Color: 0.1 Lux<br>Day/Night: 0 Lux,<br>IR Sensitive                               | Color: 0.03 Lux<br>Day/Night: 0.003 Lux,<br>IR Sensitive                          | Color: 0.1 Lux<br>Day/Night: 0 Lux,<br>IR Sensitive                               | Color: 0.2 Lux<br>Day/Night: 0.02 Lux,<br>IR Sensitive                            | Color: 0.3 Lux<br>Day/Night: 0 Lux,<br>IR Sensitive                               | Color: 0.2 Lux<br>Day/Night: 0.02 Lux,<br>IR Sensitive                              | Color: 0.3 Lux<br>Color Binning: 0.15 Lux<br>Day/Night: 0 Lux,<br>IR Sensitive      | Color: 0.2 Lux<br>Color Binning: 0.1 Lux<br>Day/Night: 0.02 Lux,<br>IR Sensitive    | Color: 0.5 Lux<br>Color Binning: 0.15 Lux<br>Day/Night: 0 Lux,<br>IR Sensitive      | Color: 0.2 Lux<br>Color Binning: 0.1 Lux<br>Day/Night: 0.02 Lux,<br>IR Sensitive    | Color: 0.5 Lux<br>Color Binning: 0.15 Lux<br>Day/Night: 0 Lux, IR<br>Sensitive      | Color: 0.3 Lux<br>Color Binning: 0.15 Lux<br>Day/Night: 0.02 Lux,<br>IR Sensitive   |
| Max Frame Rates              | 42fps (1280 x 1024)                                                               | 37fps (1280 x 960)                                                                | 31fps (1920 x 1080)                                                               | 30fps (1920 x 1080)                                                               | 30fps (1920 x 1080)                                                               |                                                                                     | 21fps (2048 x 1536)                                                                 |                                                                                     | 21fps (2048 x 1536)                                                                 |                                                                                     | 14fps (2592 x 1944)                                                                 |                                                                                     |
| Dynamic Range                | 69dB                                                                              | 83.5dB                                                                            | 69dB                                                                              |                                                                                   | Up to 100dB                                                                       |                                                                                     | 70.1dB                                                                              |                                                                                     | Up to 100dB                                                                         |                                                                                     | 70.1dB                                                                              |                                                                                     |
| True Day / Night             | Yes, Integrated                                                                   |                                                                                   | Yes, Integrated                                                                   |                                                                                   | Yes, Integrated                                                                   |                                                                                     | Yes, Integrated                                                                     |                                                                                     | Yes, Integrated                                                                     |                                                                                     | Yes, Integrated                                                                     |                                                                                     |
| Lens <sup>2</sup>            | 4mm, F1.6                                                                         | 2.8mm 1/2.5",<br>F2.0, H-FOV 95°                                                  | 4mm, F1.6                                                                         | 2.8mm 1/2.5",<br>F2.0, H-FOV 83°                                                  | 4mm, F1.6                                                                         | 2.8mm 1/2.5", F2.0, H-<br>FOV 83°                                                   | 4mm, F1.6                                                                           | 2.8mm 1/2.5", F2.0, H-<br>FOV 89°                                                   | 4mm, F1.6                                                                           | 2.8mm 1/2.5", F2.0, H-<br>FOV 89°                                                   | 4mm, F1.6                                                                           | 2.8mm 1/2.5", F2.0, H-<br>FOV 113°                                                  |
| Compression / Multistreaming | H.264 (MPEG-4, Part 10) Motion JPEG;<br>8 Non-Identical Streams                   |                                                                                   | H.264 (MPEG-4, Part 10) Motion JPEG;<br>8 Non-Identical Streams                   |                                                                                   | H.264 (MPEG-4, Part 10) Motion JPEG;<br>8 Non-Identical Streams                   |                                                                                     | H.264 (MPEG-4, Part 10) Motion JPEG;<br>8 Non-Identical Streams                     |                                                                                     | H.264 (MPEG-4, Part 10) Motion JPEG;<br>8 Non-Identical Streams                     |                                                                                     | H.264 (MPEG-4, Part 10) Motion JPEG;<br>8 Non-Identical Streams                     |                                                                                     |
| Network Protocols            | TFTP, HTTP, RTSP,<br>RTP/TCP, RTP/UDP,<br>DHCP                                    | RTSP, RTP/TCP,<br>RTP/UDP, HTTP, DHCP,<br>TFTP, QoS, IPv4, IPv6                   | TFTP, HTTP, RTSP,<br>RTP/TCP, RTP/UDP,<br>DHCP                                    | RTSP, RTP/TCP,<br>RTP/UDP, HTTP, DHCP,<br>TFTP, QoS, IPv4, IPv6                   | TFTP, HTTP, RTSP,<br>RTP/TCP, RTP/UDP,<br>DHCP                                    | RTSP, RTP/TCP,<br>RTP/UDP, HTTP,<br>DHCP, TFTP, QoS,<br>IPv4, IPv6                  | TFTP, HTTP, RTSP,<br>RTP/TCP, RTP/UDP,<br>DHCP                                      | RTSP, RTP/TCP,<br>RTP/UDP, HTTP,<br>DHCP, TFTP, QoS,<br>IPv4, IPv6                  | TFTP, HTTP, RTSP,<br>RTP/TCP, RTP/UDP,<br>DHCP                                      | RTSP, RTP/TCP,<br>RTP/UDP, HTTP,<br>DHCP, TFTP, QoS,<br>IPv4, IPv6                  | TFTP, HTTP, RTSP,<br>RTP/TCP, RTP/UDP,<br>DHCP                                      | RTSP, RTP/TCP,<br>RTP/UDP, HTTP, DHCP,<br>TFTP, QoS, IPv4, IPv6                     |
| Audio / Alarm                | Audio: Integrated Microphone (-F Models) /<br>Alarm: 1 Input / 1 Output           |                                                                                   | Audio: Integrated Microphone (-F Models) /<br>Alarm: 1 Input / 1 Output           |                                                                                   | Audio: Integrated Microphone (-F Models) /<br>Alarm: 1 Input / 1 Output           |                                                                                     | Audio: Integrated Microphone (-F Models) /<br>Alarm: 1 Input / 1 Output             |                                                                                     | Audio: Integrated Microphone (-F Models) /<br>Alarm: 1 Input / 1 Output             |                                                                                     | Audio: Integrated Microphone (-F Models) /<br>Alarm: 1 Input / 1 Output             |                                                                                     |
| Motion Detection             | 1024 Zones                                                                        |                                                                                   | 1024 Zones                                                                        |                                                                                   | 1024 Zones                                                                        |                                                                                     | 1024 Zones                                                                          |                                                                                     | 1024 Zones                                                                          |                                                                                     | 1024 Zones                                                                          |                                                                                     |
| Lowlight Mode                | Yes                                                                               | NightView™                                                                        | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     |
| Casino Mode™                 | -                                                                                 |                                                                                   | Yes                                                                               |                                                                                   | -                                                                                 |                                                                                     | -                                                                                   |                                                                                     | -                                                                                   |                                                                                     | -                                                                                   |                                                                                     |
| Shutter Control              | 1ms-500ms                                                                         |                                                                                   | 1ms-500ms                                                                         |                                                                                   | 1ms-500ms                                                                         |                                                                                     | 1ms-500ms                                                                           |                                                                                     | 1ms-500ms                                                                           |                                                                                     | 1ms-500ms                                                                           |                                                                                     |
| Privacy Mask                 | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     |
| Binning Mode <sup>1</sup>    | -                                                                                 |                                                                                   | -                                                                                 |                                                                                   | -                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     |
| Power Over Ethernet (PoE)    | PoE: PoE 802.3af                                                                  |                                                                                   | PoE: PoE 802.3af                                                                  |                                                                                   | PoE: PoE 802.3af                                                                  |                                                                                     | PoE: PoE 802.3af                                                                    |                                                                                     | PoE: PoE 802.3af                                                                    |                                                                                     | PoE: PoE 802.3af                                                                    |                                                                                     |
| All-weather Rating           | IP66 (-S and -S-NL Models)                                                        |                                                                                   | IP66 (-S and -S-NL Models)                                                        |                                                                                   | IP66 (-S and -S-NL Models)                                                        |                                                                                     | IP66 (-S and -S-NL Models)                                                          |                                                                                     | IP66 (-S and -S-NL Models)                                                          |                                                                                     | IP66 (-S and -S-NL Models)                                                          |                                                                                     |
| Operating Temp.              | F Model: 23°F to 122°F (-5°C to +50°C)<br>S Model: 40°F to 122°F (-40°C to +50°C) |                                                                                   | F Model: 23°F to 122°F (-5°C to +50°C)<br>S Model: 40°F to 122°F (-40°C to +50°C) |                                                                                   | F Model: 23°F to 122°F (-5°C to +50°C)<br>S Model: 40°F to 122°F (-40°C to +50°C) |                                                                                     | F Model: 23°F to 122°F (-5°C to +50°C)<br>S Model: 40°F to 122°F (-40°C to +50°C)   |                                                                                     | F Model: 23°F to 122°F (-5°C to +50°C)<br>S Model: 40°F to 122°F (-40°C to +50°C)   |                                                                                     | F Model: 23°F to 122°F (-5°C to +50°C)<br>S Model: 40°F to 122°F (-40°C to +50°C)   |                                                                                     |
| Vandal Resistant             | IK-10                                                                             |                                                                                   | IK-10                                                                             |                                                                                   | IK-10                                                                             |                                                                                     | IK-10                                                                               |                                                                                     | IK-10                                                                               |                                                                                     | IK-10                                                                               |                                                                                     |
| Remote Focus                 | -                                                                                 | Yes                                                                               | -                                                                                 | Yes                                                                               | -                                                                                 | Yes                                                                                 | -                                                                                   | Yes                                                                                 | -                                                                                   | Yes                                                                                 | -                                                                                   | Yes                                                                                 |
| CorridorView™                | -                                                                                 | 90° Image Rotation                                                                | -                                                                                 | 90° Image Rotation                                                                | -                                                                                 | 90° Image Rotation                                                                  | -                                                                                   | 90° Image Rotation                                                                  | -                                                                                   | 90° Image Rotation                                                                  | -                                                                                   | 90° Image Rotation                                                                  |
| Flexible Cropping            | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     |
| Gimbal                       | 2-axis                                                                            | 3-axis                                                                            | 2-axis                                                                            | 3-axis                                                                            | 2-axis                                                                            | 3-axis                                                                              | 2-axis                                                                              | 3-axis                                                                              | 2-axis                                                                              | 3-axis                                                                              | 2-axis                                                                              | 3-axis                                                                              |
| Max. Power Consumption       | 5.59 Watts                                                                        |                                                                                   | 5.59 Watts                                                                        |                                                                                   | 5.59 Watts                                                                        |                                                                                     | 5.59 Watts                                                                          |                                                                                     | 5.59 Watts                                                                          |                                                                                     | 5.59 Watts                                                                          |                                                                                     |

## Mount Accessories:



## Interchangeable Lens Options<sup>2</sup>:



## Body Styles<sup>2</sup>:



<sup>1</sup>Binning mode combines four pixels into a single pixel for increased low light sensitivity

<sup>2</sup>Surface mount (-S) and In-ceiling flush mount models (-F) include a standard lens. For applications that require a different focal length, pair a surface or flush mount NO LENS model (-NL) with an optional lens accessory.

<sup>3</sup>Fits 3rd party 4-inch square box 2-1/8inch deep (e.g. Lowes Item # 4788)

# MegaView® IP Megapixel Camera Series



Leading the Way in Megapixel Video™

|                                   |               | 1.2 - 1.3 Megapixel                                                                           |                                                                                   | 1080p                                                                                         |                                                                                    | 3 Megapixel                                                                                     |                                                                                     |                                                                                                 | 5 Megapixel                                                                         |                                                                                                 | 10 Megapixel                                                                                                                       |                                                                                        |
|-----------------------------------|---------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|                                   |               |  <b>NEW!</b> |  |  <b>NEW!</b> |  |  <b>NEW!</b> |  |  <b>NEW!</b> |  |  <b>NEW!</b> |  <b>NEW!</b>                                    |                                                                                        |
|                                   |               | AV1225PMIR-S                                                                                  | AV1125                                                                            | AV2225                                                                                        | AV2226                                                                             | AV2125                                                                                          | AV3225                                                                              | AV3226                                                                                          | AV3125                                                                              | AV5225                                                                                          | AV5125                                                                                                                             | AV10225                                                                                |
| Image Sensor Type                 |               | 1.2MP, 1/3" CMOS                                                                              | 1.3MP, 1/2.7" CMOS                                                                | 2.07MP, 1/2.7" CMOS<br>S Model: 2.07MP, 1/3" CMOS                                             | 2.07MP, 1/3.2" CMOS                                                                | 2.07MP, 1/2.7" CMOS                                                                             | 3MP, 1/2.5" CMOS<br>S Model: 3MP, 1/3" CMOS                                         | 3MP, 1/3.2" CMOS                                                                                | 3MP, 1/2.5" CMOS                                                                    | 5MP, 1/2.5" CMOS                                                                                |                                                                                                                                    | 10MP, 1/2.3" CMOS                                                                      |
| Maximum Resolution                |               | 1280 x 960                                                                                    | 1280 x 1024                                                                       | 1920 x 1080                                                                                   |                                                                                    |                                                                                                 | 2048 x 1536                                                                         |                                                                                                 |                                                                                     | 2592 x 1944                                                                                     |                                                                                                                                    | 3648 x 2752                                                                            |
| 1/4 Resolution                    |               | 640 (H) x 480 (V)                                                                             | 640 (H) x 512 (V)                                                                 | 960 (H) x 540 (V)                                                                             |                                                                                    |                                                                                                 | 1024 (H) x 768 (V)                                                                  |                                                                                                 |                                                                                     | 1296 (H) x 972 (V)                                                                              |                                                                                                                                    | 1824 (H) x 1376 (V)                                                                    |
| Minimum Illumination              | Color         | 0.02 Lux                                                                                      | 0.1 Lux @ F1.6                                                                    | 0.1 Lux                                                                                       | 0.3 Lux                                                                            | 0.1 Lux @ F1.6                                                                                  | 0.3 Lux /<br>S model 0.1 Lux                                                        | 0.3 Lux                                                                                         | 0.3 Lux @ F1.6                                                                      | 0.3 Lux                                                                                         | 0.3 Lux @ F1.6                                                                                                                     | 0.42 Lux                                                                               |
|                                   | Color Binning | –                                                                                             | –                                                                                 | –                                                                                             | –                                                                                  | –                                                                                               | 0.15 Lux /<br>S model 0.05 Lux                                                      | 0.15 Lux                                                                                        |                                                                                     | 0.15 Lux                                                                                        | 0.15 Lux                                                                                                                           | 0.21 Lux                                                                               |
|                                   | Day/Night     | 0.002 Lux                                                                                     | 0 Lux                                                                             | 0 Lux                                                                                         | 0 Lux                                                                              | 0 Lux                                                                                           |                                                                                     | 0 Lux                                                                                           |                                                                                     | 0 Lux                                                                                           | 0 Lux                                                                                                                              | 0 Lux                                                                                  |
| IR Sensitive                      |               | Yes                                                                                           |                                                                                   | Yes                                                                                           |                                                                                    |                                                                                                 | Yes                                                                                 |                                                                                                 |                                                                                     | Yes                                                                                             |                                                                                                                                    | Yes                                                                                    |
| Max Frame Rates                   |               | 37fps (1280 x 960)                                                                            | 42fps (1280 x 1024)                                                               | 31fps (1920 x 1080)                                                                           | 30fps (1920 x 1080)                                                                | 31fps (1920 x 1080)                                                                             | 21fps (2048 x 1536)                                                                 |                                                                                                 |                                                                                     | 14fps (2592 x 1944)                                                                             |                                                                                                                                    | 7fps (3648 x 2752)                                                                     |
| Dynamic Range                     |               | 83.5dB                                                                                        | 69dB                                                                              | 69dB S Model: 69.5dB                                                                          | Up to 100dB                                                                        | 69dB                                                                                            | 70.1dB S Model: 69.5dB                                                              | Up to 100dB                                                                                     | 70.1 dB                                                                             | 70.1dB                                                                                          |                                                                                                                                    | 57.2dB                                                                                 |
| True Day / Night                  |               | Yes, Integrated                                                                               |                                                                                   | Yes, Integrated                                                                               |                                                                                    |                                                                                                 | Yes, Integrated                                                                     |                                                                                                 | Yes, Integrated                                                                     | Yes, Integrated                                                                                 |                                                                                                                                    | Yes, Integrated                                                                        |
| Lens                              |               | 3-9mm, 1/2.7", F1.2                                                                           | 4.5-10mm, 1/2.7", F1.6                                                            | 3-9mm, 1/2.7", F1.2                                                                           | 4.5-10mm, 1/2.7", F1.6                                                             |                                                                                                 | 3-9mm, 1/2.7", F1.2                                                                 | 3-9mm, 1/2.7", F1.2                                                                             | 4.5-10mm, 1/2.5", F1.6                                                              | 3.6-9mm, 1/2.5", F1.3                                                                           | 4.5-10mm, 1/2.5", F1.6                                                                                                             | 4.7-9mm, 1/2.3", F1.5                                                                  |
| Lens Type                         |               | P-iris Motorized Lens                                                                         | Manual Lens                                                                       | P-iris Motorized Lens                                                                         |                                                                                    | Manual Lens                                                                                     | P-iris Motorized Lens                                                               |                                                                                                 | Manual Lens                                                                         | P-iris Motorized Lens                                                                           | Manual Lens                                                                                                                        | P-iris Motorized Lens                                                                  |
| Compression / Multistreaming      |               | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                                  |                                                                                   | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                                  |                                                                                    |                                                                                                 | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                        |                                                                                                 |                                                                                     | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                                    |                                                                                                                                    | H.264 (MPEG-4, Part 10)/Motion JPEG, 4 non-identical streams                           |
| Network Protocols                 |               | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                                      |                                                                                   | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                                      |                                                                                    |                                                                                                 | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                            |                                                                                                 |                                                                                     | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                                        |                                                                                                                                    | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                               |
| Audio / Alarm                     |               | Audio: Microphone / Input / Output<br>Alarm: 1 Input / 1 Output                               |                                                                                   | Audio: Microphone / Input / Output<br>Alarm: 1 Input / 1 Output                               |                                                                                    |                                                                                                 | Audio: Microphone / Input / Output<br>Alarm: 1 Input / 1 Output                     |                                                                                                 |                                                                                     | Audio: Microphone / Input / Output<br>Alarm: 1 Input / 1 Output                                 |                                                                                                                                    | Audio: Input / Output<br>Alarm: 1 Input / 1 Output                                     |
| Motion Detection                  |               | 1024 Zones                                                                                    |                                                                                   | 1024 Zones                                                                                    |                                                                                    |                                                                                                 | 1024 Zones                                                                          |                                                                                                 |                                                                                     | 1024 Zones                                                                                      |                                                                                                                                    | 1024 Zones                                                                             |
| Lowlight Mode                     |               | STELLAR™                                                                                      | –                                                                                 | –                                                                                             | –                                                                                  | –                                                                                               | –                                                                                   |                                                                                                 |                                                                                     | –                                                                                               |                                                                                                                                    | –                                                                                      |
| Shutter Control                   |               | 1ms–500ms                                                                                     |                                                                                   | 1ms–500ms                                                                                     |                                                                                    |                                                                                                 | 1ms–500ms                                                                           |                                                                                                 |                                                                                     | 1ms–500ms                                                                                       |                                                                                                                                    | 1ms–500ms                                                                              |
| Privacy Mask                      |               | Yes                                                                                           |                                                                                   | Yes                                                                                           |                                                                                    |                                                                                                 | Yes                                                                                 |                                                                                                 |                                                                                     | Yes                                                                                             |                                                                                                                                    | Yes                                                                                    |
| Binning Mode                      |               | –                                                                                             |                                                                                   |                                                                                               | –                                                                                  |                                                                                                 | 46fps (1024 x 768)<br>64fps (960 x 540)                                             | 21fps (1024 x 768)<br>27fps (800 x 600)<br>31fps (960 x 540)<br>32fps (640 x 512)               | –                                                                                   | 34fps (1296 x 972)<br>46fps (1024 x 768)<br>64fps (960 x 540)                                   | 34fps (1288 x 972),<br>41pfs (1280 x 800),<br>46fps (1024 x 768),<br>64fps (800 x 600),<br>64fps (860 x 540),<br>64fps (640 x 512) | 29fps (1920 x 1080)<br>26fps (1824 x 1376)<br>43fps (1296 x 972)<br>54fps (1024 x 768) |
| Power Over Ethernet               |               | PoE 802.3af                                                                                   |                                                                                   | PoE 802.3af                                                                                   |                                                                                    |                                                                                                 | PoE 802.3af                                                                         |                                                                                                 |                                                                                     | PoE 802.3af                                                                                     |                                                                                                                                    | PoE 802.3af                                                                            |
| All-weather Rating                |               | IP66                                                                                          |                                                                                   | IP66                                                                                          |                                                                                    |                                                                                                 | IP66                                                                                |                                                                                                 |                                                                                     | IP66                                                                                            |                                                                                                                                    | IP66                                                                                   |
| Operating Temp.                   |               | –40°C to +50°C                                                                                |                                                                                   | –40°C to +50°C                                                                                |                                                                                    |                                                                                                 | –40°C to +50°C                                                                      |                                                                                                 |                                                                                     | –40°C to +50°C                                                                                  |                                                                                                                                    | –40°C to +50°C                                                                         |
| Vandal Resistant                  |               | Yes                                                                                           |                                                                                   | Yes                                                                                           |                                                                                    |                                                                                                 | Yes                                                                                 |                                                                                                 |                                                                                     | Yes                                                                                             |                                                                                                                                    | Yes                                                                                    |
| Remote Zoom / Remote Focus        |               | Yes                                                                                           |                                                                                   | Yes                                                                                           |                                                                                    |                                                                                                 | Yes                                                                                 |                                                                                                 |                                                                                     | Yes                                                                                             |                                                                                                                                    | Yes                                                                                    |
| CorridorView (S Models)           |               | 90° Image Rotation                                                                            | –                                                                                 | 90° Image Rotation                                                                            |                                                                                    | –                                                                                               | 90° Image Rotation                                                                  | 90° Image Rotation                                                                              | –                                                                                   | 90° Image Rotation                                                                              | –                                                                                                                                  | 90° Image Rotation                                                                     |
| SD Card Slot                      |               | Yes (-S Models)                                                                               | –                                                                                 | Yes (-S Models)                                                                               | Yes (-S Models)                                                                    | –                                                                                               | Yes (-S Models)                                                                     | Yes (-S Models)                                                                                 | –                                                                                   | Yes (-S Models)                                                                                 | –                                                                                                                                  | Yes (-S Models)                                                                        |
| Max. Power Consumption            |               | 12 Watts                                                                                      | 6.41W / 10.44W with IR                                                            | 10.9-12.1 Watts                                                                               | 11.8-13.4 Watts                                                                    | 6.41W / 10.44W with IR                                                                          | 11.1-12.1 Watts                                                                     | 12-13.4 Watts                                                                                   | 6.63 / 10.64 with IR Watts                                                          | 11.1-12.5 Watts                                                                                 | 6.63 / 10.64 with IR Watts                                                                                                         | 11.3-12.4 Watts                                                                        |
| Cropped                           |               | –                                                                                             | –                                                                                 | 42fps (1280 x 1024)                                                                           | 41fps (1280 x 1024)                                                                | –                                                                                               | 29fps (1920 x 1080)<br>41fps (1280 x 1024)                                          | 30fps (1920 x 1080)<br>41fps (1280 x 1024)                                                      | –                                                                                   | 21fps (2048 x 1536)<br>29fps (1920 x 1080), 41fps (1280 x 1024)                                 | –                                                                                                                                  | 12fps (2592 x 1944), 18fps (2048 x 1536)<br>25fps (1920 x 1080), 37fps (1280 x 1024)   |
| IR Illumination for PMTIR Models* |               | 200 ft (max) / 33° IR angle                                                                   |                                                                                   | 200 ft (max) / 33° IR angle                                                                   |                                                                                    | –                                                                                               | 200 ft (max) / 33° IR angle                                                         |                                                                                                 | –                                                                                   | 200 ft (max) / 33° IR angle                                                                     |                                                                                                                                    | 200 ft (max) / 33° IR angle                                                            |
| IR Illumination for PMIR Models*  |               | 100 ft (max) / 50° IR angle                                                                   |                                                                                   | 82 ft (max) / 45° IR angle                                                                    |                                                                                    |                                                                                                 | 100 ft (max) / 50° IR angle                                                         |                                                                                                 | 82 ft (max) / 45° IR angle                                                          | 100 ft (max) / 50° IR angle                                                                     |                                                                                                                                    | 82 ft (max) / 45° IR angle                                                             |

## Mount Accessories:



AV-JBA  
Junction Box Adapter



AV-EBA  
Electrical Adapter



AV-CRMA  
Corner Mount Adapter



AV-PMA  
Pole Mount Adapter

\* 4 pcs 850nm LED

# MegaBall® IP Megapixel Camera Series



Leading the Way in Megapixel Video™

| 1.3 Megapixel                                                                     |               |                                                              |                                                              |                                                 |                                          |                                                              |             | 3 Megapixel                                                                         |                                 |                                                                                                 |                  |                                                                                                         |                      |                                                                             |                                          | 5 Megapixel                                                                                      |                                                                                                                                |                                                              |                                                               |
|-----------------------------------------------------------------------------------|---------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------|------------------------------------------|--------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|
|  |               |                                                              |                                                              |                                                 |                                          |                                                              |             |  |                                 |                                                                                                 |                  |                                                                                                         |                      |                                                                             |                                          |               |                                                                                                                                |                                                              |                                                               |
|                                                                                   |               | AV1145                                                       | AV1245                                                       | AV2145                                          | AV2146                                   | AV2245                                                       | AV2246      | AV2245PM                                                                            | AV2246PM                        | AV3145                                                                                          | AV3146           | AV3245                                                                                                  | AV3246               | AV3245PM                                                                    | AV3246PM                                 | AV5145                                                                                           | AV5245                                                                                                                         | AV5245DN-01                                                  | AV5245PM                                                      |
| Image Sensor Type                                                                 |               | 1.3MP, 1/2.7" CMOS                                           | 1.2MP, 1/3" CMOS                                             | 2.07 MP, 1/2.7" CMOS                            | 2.07MP, 1/3.2" CMOS                      | 2.07 MP, 1/2.7" CMOS                                         |             | 2.07MP, 1/3" CMOS                                                                   | 2.07MP, 1/3.2" CMOS             | 3MP, 1/2.5" CMOS                                                                                | 3MP, 1/3.2" CMOS | 3MP, 1/2.5" CMOS                                                                                        |                      | 3MP, 1/3" CMOS                                                              | 3MP, 1/3.2" CMOS                         |                                                                                                  | 5MP, 1/2.5" CMOS                                                                                                               |                                                              | 5MP, 1/2.5" CMOS                                              |
| Maximum Resolution                                                                |               | 1280 x 1024                                                  | 1280 x 960                                                   | 1920 x 1080                                     |                                          | 1920 x 1080                                                  |             | 1920 x 1080                                                                         |                                 | 2048 x 1536                                                                                     |                  | 2048 x 1536                                                                                             |                      | 2048 x 1536                                                                 | 2048 x 1536                              |                                                                                                  | 2592 x 1944                                                                                                                    |                                                              | 2592 x 1944                                                   |
| 1/4 Resolution                                                                    |               | 640 x 512                                                    | 640 x 480                                                    | 960 x 540                                       |                                          | 960 x 540                                                    |             | 960 x 540                                                                           |                                 | 1024 x 768                                                                                      |                  | 1024 x 768                                                                                              |                      | 1024 x 768                                                                  |                                          |                                                                                                  | 1296 x 972                                                                                                                     |                                                              | 1296 x 972                                                    |
| Minimum Illumination                                                              | Color         | 0.1 Lux @ F1.3                                               | 0.02 Lux                                                     | 0.1 Lux @ F1.3                                  |                                          | 0.1 Lux @ F1.3                                               |             | 0.1 Lux                                                                             | 0.3 Lux                         | 0.3 Lux @ F1.4                                                                                  | 0.3 Lux @ F1.3   | 0.3 Lux @ F1.4                                                                                          | 0.3 Lux @ F1.3       | 0.1 Lux                                                                     | 0.3 Lux                                  |                                                                                                  | 0.3 Lux @ F1.4                                                                                                                 |                                                              | 0.3 Lux                                                       |
|                                                                                   | Color Binning | –                                                            | –                                                            | –                                               |                                          | –                                                            |             | –                                                                                   | –                               | 0.15 Lux @ F1.4                                                                                 | 0.15 Lux @ F1.3  | 0.15 Lux @ F1.4                                                                                         | 0.15 Lux @ F1.3      | 0.05 Lux                                                                    | 0.15 Lux                                 |                                                                                                  | 0.15 Lux @ F1.4                                                                                                                |                                                              | 0.15 Lux                                                      |
|                                                                                   | Day/Night     | 0 Lux                                                        | 0.002 Lux                                                    | 0 Lux                                           |                                          | 0 Lux                                                        |             | 0 Lux                                                                               |                                 | 0 Lux                                                                                           |                  | 0 Lux                                                                                                   |                      | 0 Lux                                                                       |                                          |                                                                                                  | 0 Lux                                                                                                                          |                                                              | 0 Lux                                                         |
| IR Sensitive                                                                      |               | Yes                                                          |                                                              | Yes                                             |                                          | Yes                                                          |             | Yes                                                                                 |                                 | Yes                                                                                             |                  | Yes                                                                                                     |                      | Yes                                                                         |                                          |                                                                                                  | Yes                                                                                                                            |                                                              | Yes                                                           |
| Max Frame Rates                                                                   |               | 42fps @ 1280 x 1024                                          | 37fps @ 1280 x 960                                           | 31fps @ 1920 x 1080, 30fps @ 1280 x 1024        | 31fps @ 1920 x 1080, 30fps @ 1280 x 1024 | 31fps @ 1920 x 1080, 30fps @ 1280 x 1024                     |             | 30fps @ 1920 x 1080                                                                 | 30fps @ 1920 x 1080             | 21fps @ 2048 x 1536, 29fps @ 1920 x 1080, 31fps @ 1600 x 1200, 41fps @ 1280 x 1024              |                  | 21fps @ 2048 x 1536, 29fps @ 1920 x 1080, 31fps @ 1600 x 1200, 41fps @ 1280 x 1024                      |                      | 21fps @ 2048 x 1536                                                         |                                          |                                                                                                  | 14fps @ 2592 x 1944, 16.5fps @ 2560 x 1800, 21fps @ 2048 x 1536, 31fps @ 1600 x 1200, 29fps @ 1920 x 1080, 41fps @ 1280 x 1024 |                                                              | 14fps @ 2592 x 1944                                           |
| Dynamic Range                                                                     |               | 69dB                                                         | 83.5dB                                                       | 69dB                                            | Up to 100dB                              | 69dB                                                         | Up to 100dB | 69.5dB                                                                              | Up to 100dB                     | 70.1dB                                                                                          | Up to 100dB      | 70.1dB                                                                                                  | Up to 100dB          | 69.5dB                                                                      | Up to 100dB                              |                                                                                                  | 70.1dB                                                                                                                         |                                                              | 70.1dB                                                        |
| True Day / Night                                                                  |               | Yes, Integrated                                              |                                                              | Yes, Integrated                                 |                                          | Yes, Integrated                                              |             | Yes, Integrated                                                                     |                                 | Yes, Integrated                                                                                 |                  | Yes, Integrated                                                                                         |                      | Yes, Integrated                                                             |                                          |                                                                                                  | Yes, Integrated                                                                                                                |                                                              | Yes, Integrated                                               |
| Lens                                                                              |               | 3.4-10mm, 1/2.5", F1.6                                       | 2.8-8.5mm, F1.2                                              | 3.4-10mm, 1/2.5", F1.6                          |                                          | 3-10mm, 1/2.7", F1.3                                         |             | 2.8-8.5mm, F1.2                                                                     |                                 | 3.4-10mm, 1/2.5", F1.6                                                                          |                  | 3.4-10mm, 1/2.5", F1.4                                                                                  | 3-10mm, 1/2.7", F1.3 | 2.8-8.5mm, F1.2                                                             |                                          | 3.4-10mm, 1/2.5", F1.6/F1.4*                                                                     | 0.98mm (Short Axis) 1.12mm (Long Axis)                                                                                         |                                                              | 3.3-8.5mm, F1.2                                               |
| Lens Type                                                                         |               | Manual Lens (DN Models)                                      | P-iris Motorized Lens (PM Models)                            | Manual Lens (DN Models)                         |                                          | P-iris Motorized Lens (PM Models)                            |             | P-iris Motorized Lens (PM Models)                                                   |                                 | Manual Lens (DN Models)                                                                         |                  | P-iris Motorized Lens (PM Models)                                                                       |                      | P-iris Motorized Lens (PM Models)                                           |                                          | Manual Lens (DN Models)                                                                          | P-iris Motorized Lens (PM Models)                                                                                              |                                                              | P-iris Motorized Lens (PM Models)                             |
| Compression / Multistreaming                                                      |               | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams | Motion JPEG, 8 Non-Identical Streams            |                                          | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams |             | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams                        |                                 | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams                                    |                  | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams                                            |                      | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams                |                                          | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams                                     |                                                                                                                                | H.264 (MPEG-4, Part 10) Motion JPEG, 8 Non-Identical Streams |                                                               |
| Network Protocols                                                                 |               | TFTP, HTTP, RTSP, RTP/UDP, DHCP                              | TFTP, HTTP, RTSP, RTP/UDP, DHCP                              | TFTP, HTTP, RTSP, RTP/UDP, DHCP                 |                                          | TFTP, HTTP, RTSP, RTP/UDP, DHCP                              |             | TFTP, HTTP, RTSP, RTP/UDP, DHCP                                                     |                                 | TFTP, HTTP, RTSP, RTP/UDP, DHCP                                                                 |                  | TFTP, HTTP, RTSP, RTP/UDP, DHCP                                                                         |                      | TFTP, HTTP, RTSP, RTP/UDP, DHCP                                             |                                          | TFTP, HTTP, RTSP, RTP/UDP, DHCP                                                                  |                                                                                                                                | TFTP, HTTP, RTSP, RTP/UDP, DHCP                              |                                                               |
| Audio / Alarm                                                                     |               | Audio: Input / Output Alarm: 1 Input / 1 Output              | Audio: Input / Output Alarm: 1 Input / 1 Output              | Audio: Input / Output Alarm: 1 Input / 1 Output |                                          | Audio: Input / Output Alarm: 1 Input / 1 Output              |             | Audio: Input / Output Alarm: 1 Input / 1 Output                                     |                                 | Audio: Input / Output Alarm: 1 Input / 1 Output                                                 |                  | Audio: Input / Output Alarm: 1 Input / 1 Output                                                         |                      | Audio: Input / Output Alarm: 1 Input / 1 Output                             |                                          | Audio: Input / Output Alarm: 1 Input / 1 Output                                                  |                                                                                                                                | Audio: Input / Output Alarm: 1 Input / 1 Output              |                                                               |
| Motion Detection                                                                  |               | 1024 Zones                                                   |                                                              | 1024 Zones                                      |                                          | 1024 Zones                                                   |             | 1024 Zones                                                                          |                                 | 1024 Zones                                                                                      |                  | 1024 Zones                                                                                              |                      | 1024 Zones                                                                  |                                          | 1024 Zones                                                                                       |                                                                                                                                | 1024 Zones                                                   |                                                               |
| Lowlight Mode                                                                     |               | Moonlight Mode                                               | STELLAR™                                                     | Moonlight Mode                                  |                                          | Moonlight Mode                                               |             | –                                                                                   | –                               | Moonlight Mode                                                                                  |                  | Moonlight Mode                                                                                          |                      | –                                                                           | –                                        |                                                                                                  | Moonlight Mode                                                                                                                 |                                                              | –                                                             |
| Shutter Control                                                                   |               | 1ms–500ms                                                    |                                                              | 1ms–500ms                                       |                                          | 1ms–500ms                                                    |             | 1ms–500ms                                                                           |                                 | 1ms–500ms                                                                                       |                  | 1ms–500ms                                                                                               |                      | 1ms–500ms                                                                   |                                          | 1ms–500ms                                                                                        |                                                                                                                                | 1ms–500ms                                                    |                                                               |
| Privacy Mask                                                                      |               | Yes                                                          |                                                              | Yes                                             |                                          | Yes                                                          |             | Yes                                                                                 |                                 | Yes                                                                                             |                  | Yes                                                                                                     |                      | Yes                                                                         |                                          | Yes                                                                                              |                                                                                                                                | Yes                                                          |                                                               |
| Binning Mode                                                                      |               | –                                                            |                                                              | –                                               |                                          | –                                                            |             | –                                                                                   |                                 | 47fps/21fps* @ 1024x768, 64fps/27fps* @ 800x600, 64fps/31fps* @ 800x540, 64fps/32fps* @ 640x512 |                  | 47fps/21fps* @ 1024 x 768, 64fps/27fps* @ 800 x 600, 64fps/31fps* @ 800 x 540, 64fps/32fps* @ 640 x 512 |                      | 46fps @ 1024 x 768, 27fps @ 800 x 600, 31fps @ 800 x 540, 32fps @ 640 x 512 |                                          | 34fps @ 1286 x 972, 41fps @ 1280 x 972, 47fps @ 1024 x 768, 64fps @ 800 x 600, 64fps @ 800 x 540 |                                                                                                                                | 34fps @ 1296 x 972, 46fps @ 1024 x 768, 64fps @ 960 x 540    |                                                               |
| Power Over Ethernet (PoE)                                                         |               | PoE 802.3af                                                  |                                                              | PoE 802.3af                                     |                                          | PoE 802.3af                                                  |             | PoE 802.3af                                                                         |                                 | PoE 802.3af                                                                                     |                  | PoE 802.3af                                                                                             |                      | PoE 802.3af                                                                 |                                          | PoE 802.3af                                                                                      |                                                                                                                                | PoE 802.3af                                                  |                                                               |
| All-weather Rating                                                                |               | –                                                            |                                                              | –                                               |                                          | –                                                            |             | –                                                                                   |                                 | –                                                                                               |                  | –                                                                                                       |                      | –                                                                           |                                          | –                                                                                                |                                                                                                                                | –                                                            |                                                               |
| Operating Temp.                                                                   |               | –5°C to +50°C                                                |                                                              | –5°C to +50°C                                   |                                          | –5°C to +50°C                                                |             | –5°C to +50°C                                                                       |                                 | –5°C to +50°C                                                                                   |                  | –5°C to +50°C                                                                                           |                      | –5°C to +50°C                                                               |                                          | –5°C to +50°C                                                                                    |                                                                                                                                | –5°C to +50°C                                                |                                                               |
| Tamper Resistant Housing                                                          |               | Yes                                                          |                                                              | Yes                                             |                                          | Yes                                                          |             | Yes                                                                                 |                                 | Yes                                                                                             |                  | Yes                                                                                                     |                      | Yes                                                                         |                                          | Yes                                                                                              |                                                                                                                                | Yes                                                          |                                                               |
| Remote Zoom / Remote Focus                                                        |               | –                                                            | Yes                                                          | –                                               |                                          | –                                                            |             | Yes                                                                                 |                                 | –                                                                                               |                  | –                                                                                                       |                      | Yes                                                                         |                                          | –                                                                                                |                                                                                                                                | Yes                                                          |                                                               |
| CorridorView                                                                      |               | –                                                            | Yes                                                          | –                                               |                                          | –                                                            |             | Yes                                                                                 |                                 | –                                                                                               |                  | –                                                                                                       |                      | Yes                                                                         |                                          | –                                                                                                |                                                                                                                                | Yes                                                          |                                                               |
| SD Card Slot                                                                      |               | –                                                            | –S Models                                                    | –                                               |                                          | –                                                            |             | –S Models                                                                           |                                 | –                                                                                               |                  | –                                                                                                       |                      | –S Models                                                                   |                                          | –                                                                                                |                                                                                                                                | –S Models                                                    |                                                               |
| Max. Power Consumption                                                            |               | 5 Watts                                                      | -PM: 6.6 Watts -PMIR: 8.2 Watts                              | 5 Watts                                         | 6 Watts                                  | 5 Watts                                                      | 6 Watts     | -PM: 6.7 Watts -PMIR: 8.1 Watts                                                     | -PM: 7.8 Watts -PMIR: 9.4 Watts | 5.3 Watts                                                                                       | 6 Watts          | 5.3 Watts                                                                                               | 6 Watts              | -PM: 6.7 Watts -PMIR: 8.1 Watts                                             | -PM: 7.8 Watts -PMIR: 9.4 Watts          |                                                                                                  | 5.3 Watts                                                                                                                      |                                                              | -PM: 7.1 Watts -PMIR: 8.7 Watts                               |
| Cropped                                                                           |               | –                                                            |                                                              | –                                               |                                          | –                                                            |             | 42fps @ 1280 x 1024                                                                 | 41fps @ 1280 x 1024             | –                                                                                               |                  | –                                                                                                       |                      | 29fps @ 1920 x 1080, 41fps @ 1280 x 1024                                    | 30fps @ 1920 x 1080, 41fps @ 1280 x 1024 |                                                                                                  | –                                                                                                                              |                                                              | 21fps @ 2048 x 1536, 29fps @ 1920 x 1080, 41fps @ 1280 x 1024 |
| IR Illumination for PMIR Models*                                                  |               | –                                                            | 50 ft (max), 60° and 80° IR angle*                           | –                                               |                                          | –                                                            |             | 50 ft (max), 60° and 80° IR angle*                                                  |                                 | –                                                                                               |                  | –                                                                                                       |                      | 50 ft (max), 60° and 80° IR angle*                                          |                                          | –                                                                                                |                                                                                                                                | 50 ft (max), 60° and 80° IR angle*                           |                                                               |

## Mount Accessories:



AV-EBA  
Electrical Adapter



AV-SWMJB  
Pendant Mount



AV-SPMJB  
Wall Mount



MB2-JBA  
Bell Mount Only



AV-CRMA³  
Corner Mount Adapter



AV-PMA³  
Pole Mount Adapter

D - Dome or Recessed Dome Model  
LG - Light Gray Dome  
01 - Manual Panomorph Lens, True D/N  
\* 12 pcs 850nm LED  
\*\*Input (Except PMIR); Output (Except 01-SDA)  
\*Preliminary specifications

³Indoor use only. Compatible with AV-SWMJB & AV-SPMJB only.  
PM - Remote Focus/Zoom, P-Iris, True D/N  
PMIR - Remote Focus/Zoom, P-Iris, True D/N, IR LEDs  
S - SD Card Slot, CorridorView™ w/90° Image Flip, Non-Integer Scaling  
A - Audio  
B - Bell Mount

| 1.2 - 1.3 Megapixel                                                               |               | 1080p                                                                             |  | 3 Megapixel                                                                        |  | 5 Megapixel                                                                         |  | 10 Megapixel                                                                            |  |                                                                               |  |                                                                                         |  |                                                                                  |  |                                                                                  |  |
|-----------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|--|
|  |               |  |  |  |  |  |  |      |  |                                                                               |  |                                                                                         |  |                                                                                  |  |                                                                                  |  |
| AV1255PM                                                                          |               | AV1255DN-H                                                                        |  | AV2255                                                                             |  | AV3256                                                                              |  | AV5255                                                                                  |  | AV10255                                                                       |  |                                                                                         |  |                                                                                  |  |                                                                                  |  |
| Image Sensor Type                                                                 |               | 1.2MP, 1/3" CMOS                                                                  |  | 1.3MP, 1/2.7" CMOS                                                                 |  | 1080p, 1/2.7" CMOS                                                                  |  | 1080p, 1/3.2" CMOS                                                                      |  | 3MP, 1/2.5" CMOS                                                              |  | 3MP, 1/3.2" CMOS                                                                        |  | 5MP, 1/2.5" CMOS                                                                 |  | 10MP, 1/2.3" CMOS                                                                |  |
| Maximum Resolution                                                                |               | 1280 x 960                                                                        |  | 1280 x 1024                                                                        |  | 1920 x 1080                                                                         |  | 2048 x 1536                                                                             |  | 2592 x 1944                                                                   |  | 2592 x 1944                                                                             |  | 3648 x 2752                                                                      |  | 3648 x 2752                                                                      |  |
| 1/4 Resolution                                                                    |               | 640 (H) x 480 (V)                                                                 |  | 640 (H) x 512 (V)                                                                  |  | 960 (H) x 540 (V)                                                                   |  | 1024 (H) x 768 (V)                                                                      |  | 1296 (H) x 972 (V)                                                            |  | 1296 (H) x 972 (V)                                                                      |  | 1824 (H) x 1376 (V)                                                              |  | 1824 (H) x 1376 (V)                                                              |  |
| Minimum Illumination                                                              | Color         | 0.1 Lux @ F1.2                                                                    |  | 0.1 Lux @ F1.6                                                                     |  | 0.1 Lux @ F1.6                                                                      |  | 0.3 Lux @ F1.6                                                                          |  | 0.3 Lux @ F1.6                                                                |  | 0.3 Lux @ F1.6                                                                          |  | 0.42 Lux @ F1.4                                                                  |  | 0.42 Lux @ F1.4                                                                  |  |
|                                                                                   | Color Binning | —                                                                                 |  | —                                                                                  |  | —                                                                                   |  | 0.15 Lux @ F1.6                                                                         |  | 0.15 Lux @ F1.6                                                               |  | 0.15 Lux @ F1.6                                                                         |  | 0.21 Lux @ F1.4                                                                  |  | 0.21 Lux @ F1.4                                                                  |  |
|                                                                                   | Day/Night     | 0 Lux                                                                             |  | 0 Lux                                                                              |  | 0 Lux                                                                               |  | 0 Lux                                                                                   |  | 0 Lux                                                                         |  | 0 Lux                                                                                   |  | 0 Lux                                                                            |  | 0 Lux                                                                            |  |
| IR Sensitive                                                                      |               | Yes                                                                               |  | Yes                                                                                |  | Yes                                                                                 |  | Yes                                                                                     |  | Yes                                                                           |  | Yes                                                                                     |  | Yes                                                                              |  | Yes                                                                              |  |
| Max Frame Rates                                                                   |               | 42fps (1280x1024)                                                                 |  | 37fps (1280x960)                                                                   |  | 30fps (1920x1080)                                                                   |  | 30fps (1920x1080)                                                                       |  | 21fps (2048x1536)                                                             |  | 14fps (2592x1944)                                                                       |  | 7fps (3648x2752)                                                                 |  | 7fps (3648x2752)                                                                 |  |
| Dynamic Range                                                                     |               | 83.5dB                                                                            |  | 69dB                                                                               |  | 69dB                                                                                |  | WDR up to 100dB                                                                         |  | 70.1dB                                                                        |  | WDR up to 100dB                                                                         |  | 70.1dB                                                                           |  | 57.2dB                                                                           |  |
| True Day / Night                                                                  |               | Yes, Integrated                                                                   |  | Yes, Integrated                                                                    |  | Yes, Integrated                                                                     |  | Yes, Integrated                                                                         |  | Yes, Integrated                                                               |  | Yes, Integrated                                                                         |  | Yes, Integrated                                                                  |  | Yes, Integrated                                                                  |  |
| Lens                                                                              |               | 3-9mm, 1/2.7" IR Corrected<br>H-FOV = 92°-31°                                     |  | 3-9mm, 1/2.7" F1.2,<br>RZ, RF, Auto-iris,<br>H-FOV = 115°-37°                      |  | 3-9mm, 1/2.7" F1.2,<br>RZ, RF, P-iris,<br>H-FOV = 82°-27°                           |  | 3-9mm, 1/2.7" F1.2,<br>RZ, RF, P-iris,<br>H-FOV = 87°-29°                               |  | 3-9mm, 1/2.5" F1.8,<br>RZ, RF, Auto-iris,<br>H-FOV = 96°-36°                  |  | 3-9mm, 1/2.5" F1.8,<br>RZ, RF, Auto-iris,<br>H-FOV = 96°-36°                            |  | 4-8mm, 1/2.3" F1.6,<br>RZ, RF, P-iris,<br>H-FOV = 89°-47°                        |  | 4-8mm, 1/2.3" F1.6,<br>RZ, RF, P-iris,<br>H-FOV = 89°-47°                        |  |
| Remote Zoom / Remote Focus                                                        |               | Yes                                                                               |  | No                                                                                 |  | 2.8-8mm, 1/2.7" F1.2,<br>RZ, RF, P-iris,<br>H-FOV = 120°-44°                        |  | 2.8-8mm, 1/2.7" F1.2,<br>RZ, RF, P-iris,<br>H-FOV = 94°-34°                             |  | 8-22mm, 1/2.7" F1.6,<br>RZ, RF, P-iris, Telephoto,<br>H-FOV = 32°-12°         |  | 8-22mm, 1/2.5" F1.4,<br>RZ, RF, P-iris,<br>H-FOV = 113°-43°                             |  | 12-22mm, 1/2.3" F2.2,<br>RZ, RF, P-iris, Telephoto,<br>H-FOV = 30°-17°           |  | 12-22mm, 1/2.3" F2.2,<br>RZ, RF, P-iris, Telephoto,<br>H-FOV = 30°-17°           |  |
| Lens Type                                                                         |               | Motorized                                                                         |  | Manual                                                                             |  | 8-22mm, 1/2.7" F1.6,<br>RZ, RF, P-iris, Telephoto,<br>H-FOV = 30°-12°               |  | 8-22mm, 1/2.7" F1.6,<br>RZ, RF, P-iris, Telephoto,<br>H-FOV = 29°-12°                   |  | 3-4-10.5mm, 1/2.5",<br>F1.6, H-FOV = 72°-28°                                  |  | 9-22mm, 1/2.5" F2.0,<br>RZ, RF, P-iris, Telephoto,<br>H-FOV = 38°-16°                   |  | 3-4-10.5mm, 1/2.5",<br>F1.6, H-FOV = 92°-36°                                     |  | 3-4-10.5mm, 1/2.5",<br>F1.6, H-FOV = 92°-36°                                     |  |
| Compression / Multistreaming                                                      |               | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                      |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                       |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                        |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                            |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                  |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams                            |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 4 non-identical streams                     |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 4 non-identical streams                     |  |
| Network Protocols                                                                 |               | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                          |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                           |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                            |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                                |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                      |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                                |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                         |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP                                         |  |
| Audio / Alarm                                                                     |               | Audio: Microphone in or line in / line output<br>Alarm: 1 Input / 1 Output        |  | Audio: Microphone in or line in / line output<br>Alarm: 1 Input / 1 Output         |  | Audio: Microphone in or line in / line output<br>Alarm: 1 Input / 1 Output          |  | Audio: Microphone in or line in / line output<br>Alarm: 1 Input / 1 Output              |  | Audio: Microphone in or line in / line output<br>Alarm: 1 Input / 1 Output    |  | Audio: Microphone in or line in / line output<br>Alarm: 1 Input / 1 Output              |  | Audio: Microphone in or line in / line output<br>Alarm: 1 Input / 1 Output       |  | Audio: Microphone in or line in / line output<br>Alarm: 1 Input / 1 Output       |  |
| Motion Detection                                                                  |               | 1024 Zones                                                                        |  | 1024 Zones                                                                         |  | 1024 Zones                                                                          |  | 1024 Zones                                                                              |  | 1024 Zones                                                                    |  | 1024 Zones                                                                              |  | 1024 Zones                                                                       |  | 1024 Zones                                                                       |  |
| Lowlight Mode                                                                     |               | STELLAR™                                                                          |  | —                                                                                  |  | —                                                                                   |  | —                                                                                       |  | —                                                                             |  | —                                                                                       |  | —                                                                                |  | —                                                                                |  |
| Shutter Control                                                                   |               | 1ms–500ms                                                                         |  | 1ms–500ms                                                                          |  | 1ms–500ms                                                                           |  | 1ms–500ms                                                                               |  | 1ms–500ms                                                                     |  | 1ms–500ms                                                                               |  | 1ms–500ms                                                                        |  | 1ms–500ms                                                                        |  |
| Privacy Mask                                                                      |               | Yes                                                                               |  | Yes                                                                                |  | Yes                                                                                 |  | Yes                                                                                     |  | Yes                                                                           |  | Yes                                                                                     |  | Yes                                                                              |  | Yes                                                                              |  |
| Binning Mode                                                                      |               | —                                                                                 |  | —                                                                                  |  | —                                                                                   |  | 46fps (1024x768)<br>27fps (800x600),<br>31fps (960x540),<br>32fps (640x512)             |  | 21fps (1024x768)<br>27fps (800x600),<br>31fps (960x540),<br>32fps (640x512)   |  | 34fps (1296x972)<br>46fps (1024x768),<br>64fps (960x540)                                |  | 29fps (1920x1080)<br>26fps (1824x1376),<br>43fps (1296x972),<br>54fps (1024x768) |  | 29fps (1920x1080)<br>26fps (1824x1376),<br>43fps (1296x972),<br>54fps (1024x768) |  |
| Power Over Ethernet                                                               |               | PoE 802.3af                                                                       |  | PoE 802.3af                                                                        |  | PoE 802.3af                                                                         |  | PoE 802.3af                                                                             |  | PoE 802.3af                                                                   |  | PoE 802.3af                                                                             |  | PoE 802.3af                                                                      |  | PoE 802.3af                                                                      |  |
| All-weather Rating                                                                |               | IP66                                                                              |  | IP66                                                                               |  | IP66                                                                                |  | IP66                                                                                    |  | IP66                                                                          |  | IP66                                                                                    |  | IP66                                                                             |  | IP66                                                                             |  |
| Operating Temp w/ Heater                                                          |               | -40°C to +50°C<br>(40°F to 122°F)                                                 |  | -40°C to +50°C<br>(40°F to 122°F)                                                  |  | -40°C to +50°C<br>(40°F to 122°F)                                                   |  | -40°C to +50°C<br>(40°F to 122°F)                                                       |  | -40°C to +50°C<br>(40°F to 122°F)                                             |  | -40°C to +50°C<br>(40°F to 122°F)                                                       |  | -40°C to +50°C<br>(40°F to 122°F)                                                |  | -40°C to +50°C<br>(40°F to 122°F)                                                |  |
| Vandal Resistant                                                                  |               | IK10                                                                              |  | IK10                                                                               |  | IK10                                                                                |  | IK10                                                                                    |  | IK10                                                                          |  | IK10                                                                                    |  | IK10                                                                             |  | IK10                                                                             |  |
| CorridorView (S Models)                                                           |               | 90° Image Flip<br>(-S Models)                                                     |  | —                                                                                  |  | 90° Image Flip<br>(-S Models)                                                       |  | 90° Image Flip<br>(-S Models)                                                           |  | 90° Image Flip<br>(-S Models)                                                 |  | 90° Image Flip<br>(-S Models)                                                           |  | 90° Image Flip<br>(-S Models)                                                    |  | 90° Image Flip<br>(-S Models)                                                    |  |
| SD Card Slot                                                                      |               | Yes (-S Models)                                                                   |  | —                                                                                  |  | Yes (-S Models)                                                                     |  | Yes (-S Models)                                                                         |  | Yes (-S Models)                                                               |  | Yes (-S Models)                                                                         |  | Yes (-S Models)                                                                  |  | Yes (-S Models)                                                                  |  |
| Max. Power Consumption                                                            |               | 10.9W (PM-S model);<br>11.9W (PMIR-S model)                                       |  | 10.2W (DN-H model)                                                                 |  | 10.2W (DN-H, AM-H models);<br>12.1W (PMIR-SH model);<br>14.5W (PMTIR-SH model)      |  | 6.6W (DN model);<br>11.3W (PM model);<br>12.7W (PMIR-S model);<br>14.2W (PMTIR-S model) |  | 9.9W (DN-H, AM-H models);<br>12.1W (PMIR-SH model);<br>14.4W (PMTIR-SH model) |  | 6.6W (DN model);<br>11.3W (PM model);<br>12.7W (PMIR-S model);<br>14.2W (PMTIR-S model) |  | 9.9W (DN-H, AM-H models);<br>12.1W (PMIR-SH model);<br>14.4W (PMTIR-SH model)    |  | 13W (PMIR-SH model);<br>13.8W (PMTIR-SH model)                                   |  |
| Cropped                                                                           |               | —                                                                                 |  | 42fps (1280x1024)                                                                  |  | 41fps (1280x1024)                                                                   |  | 29fps (1920x1080)<br>41fps (1280x1024)                                                  |  | 30fps (1920x1080), 31fps<br>(1600x1200), 41fps<br>(1280x1024)                 |  | 21fps (2048x1536), 29fps (1920x1080), 41fps (1280x1024)                                 |  | 12fps (2592x1944), 18fps (2048x1536)<br>25fps (1920x1080), 37fps (1280x1024)     |  | 12fps (2592x1944), 18fps (2048x1536)<br>25fps (1920x1080), 37fps (1280x1024)     |  |
| IR Illumination for PMTIR Models*                                                 |               | —                                                                                 |  | 120ft (36m) (max) / 30° IR angle                                                   |  | 120ft (36m) (max) / 30° IR angle                                                    |  | 120ft (36m) (max) / 30° IR angle                                                        |  | 120ft (36m) (max) / 30° IR angle                                              |  | 120ft (36m) (max) / 30° IR angle                                                        |  | 120ft (36m) (max) / 30° IR angle                                                 |  | 120ft (36m) (max) / 30° IR angle                                                 |  |
| IR Illumination for PMIR Models*                                                  |               | 50ft (15m) (max) / 40° IR angle                                                   |  | —                                                                                  |  | 50ft (15m) (max) / 40° IR angle                                                     |  | 50ft (15m) (max) / 40° IR angle                                                         |  | 50ft (15m) (max) / 40° IR angle                                               |  | 50ft (15m) (max) / 40° IR angle                                                         |  | 50ft (15m) (max) / 40° IR angle                                                  |  | 50ft (15m) (max) / 40° IR angle                                                  |  |

## Mount Accessories:



AM - Remote Focus/Zoom, Auto-Iris, True Day/Night

PM - Wide Angle Lens w/ Remote Focus/Zoom, P-Iris, True D/N

PMT - Telephoto Lens w/ Remote Focus/Zoom, P-Iris, True D/N

DN - Manual Lens, True Day/Night

\*Requires MD-CAP; Requires either AV-WMJB or AV-PMJB

IR - IR LEDs

S - SD Card Slot, CorridorView™ w/90° Image Flip, Non-Integer Scaling

A - Audio

H - Heater (Non-WDR and Non-STELLAR™ Models Only)

\* 24 pcs 850nm LED

# SurroundVideo® IP Megapixel Camera Series



Leading the Way in Megapixel Video\*

## SurroundVideo IP Megapixel Panoramic Cameras

## SurroundVideo Omni IP MP Cameras

|                                  | 5 Megapixel                                                                       |  |  | 8 Megapixel                                                                       |  |  | 12 Megapixel                                                                      |  |  | 20 Megapixel                                                                                    |  |  | 40 Megapixel                                                                        | 12 Megapixel | 20 Megapixel |
|----------------------------------|-----------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|--------------|--------------|
|                                  |  |  |  |  |  |  |  |  |  |               |  |  |  |              |              |
|                                  | AV5585PM                                                                          |  |  | AV8185                                                                            |  |  | AV12585PM                                                                         |  |  | AV12586PM                                                                                       |  |  | AV20585PM                                                                           |              |              |
| Image Sensor Type                | 5MP (1.2MP x 4), 1/3" CMOS                                                        |  |  | 8MP (2MP x 4), 1/2" CMOS                                                          |  |  | 12MP (3MP x 4), 1/3" CMOS                                                         |  |  | 12MP (3MP x 4), 1/3.2" CMOS                                                                     |  |  | 20MP (5MP x 4), 1/2.5" CMOS                                                         |              |              |
| Maximum Resolution               | 5120 x 960 (1280 x 960 per sensor)                                                |  |  | 6400 x 1200 (1600 x 1200 per sensor)                                              |  |  | 8192 x 1536 (2018 x 1536 per sensor)                                              |  |  | 10240 x 1920 (2560 x 1920 per sensor)                                                           |  |  | 14592 x 2752 (3648 x 2752 per sensor)                                               |              |              |
| 1/4 Resolution                   | 2560 H x 480 V                                                                    |  |  | 3200 H x 600 V                                                                    |  |  | 4096 H x 768 V                                                                    |  |  | 5120 H x 960 V                                                                                  |  |  | 5120 H x 960 V                                                                      |              |              |
| Minimum Illumination             | Color: 0.02 Lux Day/Night: 0.002 Lux, IR sensitive                                |  |  | Color: 0.2 Lux @ F1.8 Day/Night: 0 Lux, IR Sensitive                              |  |  | Color: 0.2 Lux Color Bining: 0.1 Lux Day/Night: 0.02 Lux, IR Sensitive            |  |  | Color: 0.3 Lux @ F1.8 Color Bining: 0.15 Lux @ F1.4 Day/Night: 0 Lux, IR Sensitive              |  |  | Color: 0.3 Lux Color Bining: 0.15 Lux Day/Night: 0 Lux, IR Sensitive                |              |              |
| Max Frame Rates Per Sensor       | 12fps @ 5120 x 960<br>30fps @ 2560 x 480                                          |  |  | 6fps @ 6400 x 1200,<br>20fps @ 3200 x 600,<br>22fps @ 1600 x 1200                 |  |  | 10fps @ 8192 x 1536<br>14fps @ 4096 x 768                                         |  |  | 3.5fps @ 10240 x 1920,<br>4.2fps @ 10240 x 1600,<br>11fps @ 2560 x 1920,<br>11fps @ 2560 x 1600 |  |  | 7fps @ 10240 x 1920,<br>10fps @ 5120 x 960                                          |              |              |
| Dynamic Range                    | 83.5dB                                                                            |  |  | 61dB                                                                              |  |  | 70.1dB                                                                            |  |  | Up to 100dB                                                                                     |  |  | 70.1dB                                                                              |              |              |
| True Day / Night                 | Yes, Integrated                                                                   |  |  | Yes, Integrated                                                                   |  |  | Yes, Integrated                                                                   |  |  | Yes, Integrated                                                                                 |  |  | Yes, Integrated                                                                     |              |              |
| Lens                             | 5.6mm x 4, F1.2                                                                   |  |  | 8mm x 4, F1.8                                                                     |  |  | 5.3mm x 4, F1.2                                                                   |  |  | 5.3mm x 4, F1.2                                                                                 |  |  | 6.2mm x 4, F1.8                                                                     |              |              |
| Compression / Multistreaming     | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams (2 per sensor)       |  |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams (2 per sensor)       |  |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams (2 per sensor)       |  |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 non-identical streams (2 per sensor)                     |  |  | H.264 (MPEG-4, Part 10)/Motion JPEG, 8 Non-Identical Streams (2 per sensor)         |              |              |
| Network Protocols                | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4                               |  |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4                               |  |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4                               |  |  | RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP, QoS, IPv4                                             |  |  | RTSP, RTP/TCP, RTP/UDP, QoS, HTTP, DHCP, TFTP, IPv4                                 |              |              |
| Alarm                            | 1 Input / 1 Output                                                                |  |  | 1 Input / 1 Output                                                                |  |  | 1 Input / 1 Output                                                                |  |  | 1 Input / 1 Output                                                                              |  |  | 1 Input / 1 Output                                                                  |              |              |
| Motion Detection                 | 1024 Zones (per sensor)                                                           |  |  | 1024 Zones (per sensor)                                                           |  |  | 1024 Zones (per sensor)                                                           |  |  | 1024 Zones (per sensor)                                                                         |  |  | 1024 Zones (per sensor)                                                             |              |              |
| Lowlight Mode                    | STELLAR™                                                                          |  |  | -                                                                                 |  |  | -                                                                                 |  |  | -                                                                                               |  |  | -                                                                                   |              |              |
| Shutter Control                  | 1ms–500ms                                                                         |  |  | 1ms–500ms                                                                         |  |  | 1ms–500ms                                                                         |  |  | 1ms–500ms                                                                                       |  |  | 1ms–500ms                                                                           |              |              |
| Privacy Mask                     | Yes                                                                               |  |  | Yes                                                                               |  |  | Yes                                                                               |  |  | Yes                                                                                             |  |  | Yes                                                                                 |              |              |
| Binning Mode†                    | –                                                                                 |  |  | –                                                                                 |  |  | Yes                                                                               |  |  | Yes                                                                                             |  |  | Yes                                                                                 |              |              |
| Power Over Ethernet (PoE)        | PoE 802.3af                                                                       |  |  | PoE 802.3af                                                                       |  |  | PoE 802.3af                                                                       |  |  | PoE 802.3af                                                                                     |  |  | PoE 802.3af                                                                         |              |              |
| All-weather Rating               | IP66                                                                              |  |  | IP66                                                                              |  |  | IP66                                                                              |  |  | IP66                                                                                            |  |  | IP66                                                                                |              |              |
| Operating Temp.                  | -40°F to 122°F (-40°C to +50°C)                                                   |  |  | -40°F to 122°F (-40°C to +50°C)                                                   |  |  | -40°F to 122°F (-40°C to +50°C)                                                   |  |  | -40°F to 122°F (-40°C to +50°C)                                                                 |  |  | -40°F to 122°F (-40°C to +50°C)                                                     |              |              |
| Vandal Resistant                 | IK-10                                                                             |  |  | IK-10                                                                             |  |  | IK-10                                                                             |  |  | IK-10                                                                                           |  |  | IK-10                                                                               |              |              |
| Remote Focus / P-Iris            | Yes                                                                               |  |  | –                                                                                 |  |  | Yes                                                                               |  |  | –                                                                                               |  |  | Yes                                                                                 |              |              |
| Max. Auxiliary Power Consumption | 10 Watts                                                                          |  |  | 9 Watts                                                                           |  |  | 11.2 Watts                                                                        |  |  | 14.4 Watts                                                                                      |  |  | 9 Watts                                                                             |              |              |

### Mount Accessories:



### Lens Accessories:



\*Binning mode combines four pixels into a single pixel for increased low light sensitivity.

†For an improved design, the MPM2.8, MPM4.0, and MPM12.0 lenses changed part numbers (MPM2.8A, MPM4.0A, and MPM12.0A). The new lens models are backward compatible with the SurroundVideo Omni.

\*\*Omni only (MPM2.1 lens for 12MP models only), \*\*\*Panoramic only, \*\*\*\*SurroundVideo 8, 20, 40 MP only, \*\*\*\*\*SurroundVideo 12MP only