

MegaView®2

All-in-One H.264 Motorized P-Iris Lens Day/Night IR Indoor/Outdoor Bullet-Style IP Cameras
(WDR option in 1080p and 3MP)

MegaView®2 Cameras

1080p	1080p WDR	3 Megapixel	3 Megapixel WDR	5 Megapixel	10 Megapixel
AV2225PMIR	AV2226PMIR	AV3225PMIR	AV3226PMIR	AV5225PMIR	AV10225PMIR
AV2225PMIR-A			AV3226PMIR-A	AV5225PMIR-A	



MegaView®2 multi-megapixel cameras provide ample resolution to zoom-in for details in live or recorded video. These indoor/outdoor all-in-one solutions integrate a 1080p, 3-, 5-, or 10-megapixel camera with fast frame rates and an IR corrected motorized vari-focal P-iris lens into an IP66 environmental rated, vandal resistant bullet-style housing. H.264 compression reduces bandwidth and storage requirements while delivering full frame rates and full resolution without sacrificing image quality.



Features:

- Remote Focus/Zoom Motorized P-Iris Lens
- P-Iris Control to Get Best Depth of Field and Image Clarity
- Optional True WDR up to 100dB at Full Resolution Available on Some 1080p and 3MP Models: See Clearly in Shaded and Bright Light Conditions Simultaneously
- Optional Audio
- Casino Mode™ Guarantees Continuous 30fps Frame Rate Required by Gaming Industry Regulations (AV1225 & AV2225 Models)
- Binning Mode for Strong Low-Light Performance on 3MP, 5MP and 10MP Resolutions
- True Day/Night Functionality with Mechanical IR Cut Filter and IR LEDs
- IP66 Vandal-Resistant and Tamper-Resistant Housing
- Total PoE Solution (No External Power Required for IR LEDs)
- PoE and Auxiliary Power: 12-48V DC/24V AC
- Easily Adjustable 3-Axis Wall Mount, Junction Box Included
- Dual Encoder H.264/MJPEG
- Privacy Mask, 1024 Zone, Motion Detection, Flexible Cropping, Bit Rate Control, Multi-Streaming and Forensic Zooming
- Fast Frame Rates
- PSIA Conformant
- New User-Friendly Webpage
- Reduced Overall System Cost
- Made in the USA

Model Specific Features

Model	Resolution	Frame Rate	Features		
AV2225	1080p	31fps		Casino Mode™	
AV2226	1080p	30fps	WDR		
AV3225	3MP	21fps			Binning
AV3226	3MP	21fps	WDR		Binning
AV5225	5MP	14fps			Binning
AV10225	10MP	7fps			Binning

Options

-A	Audio
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Camera Imaging Specifications

		WDR		WDR			
Model		AV2225	AV2226	AV3225	AV3226	AV5225	AV10225
Image Sensor (CMOS)		2.07MP (1080p)	2.07MP (1080p)*	3MP*	3MP	5MP	10MP
Optical Format		1/2.7"	1/3.2"	1/2.5"	1/3.2"	1/2.5"	1/2.3"
Pixel Pitch		3µm	2.2µm	2.2µm	2.2µm	2.2µm	1.67µm
Minimum Illumination	Color (day mode)	0.1 Lux	0.3 Lux	0.3 Lux	0.3 Lux	0.3 Lux	0.42 Lux
	Color Binning (day mode)	-	-	0.15 Lux	0.15 Lux	0.15 Lux	0.21 Lux
	B/W (night mode)	0 Lux, IR sensitive	0 Lux, IR sensitive	0 Lux, IR sensitive	0 Lux, IR sensitive	0 Lux, IR sensitive	0 Lux, IR sensitive
Full FOV Resolution		1920 H x 1080 V	1920 H x 1080 V	2048 H x 1536 V	2048 H x 1536 V	2592 H x 1944 V	3648 H x 2752 V
1/4 Resolution		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	1824 H x 1376 V
Dynamic Range		69dB	WDR up to 100dB	70.1dB	WDR up to 100dB	70.1dB	57.2dB
Maximum SNR		45dB	49dB	45dB	49dB	45dB	40dB
Frame Rates	At Max Resolution	31fps (1920 x 1080)	30fps (1920 x 1080)	21fps (2048 x 1536)	21fps (2048 x 1536)	14fps (2592 x 1944)	7fps (3648 x 2752)
	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)	12fps (2592 x 1944) 18fps (2048 x 1536) 25fps (1920 x 1080) 37fps (1280 x 1024)
		-	-	46fps (1024 x 768) 64fps (960 x 540)	21fps (1024 x 768) 27fps (800 x 600) 31fps (960 x 540) 32fps (640 x 512)	34fps (1296 x 972) 46fps (1024 x 768) 64fps (960 x 540)	29fps (1920 x 1080) 26fps (1824 x 1376) 43fps (1296 x 972) 54fps (1024 x 768)
	Binning Mode	-	-	-	-	-	-
Lens		Motorized Lens	Motorized Lens	Motorized Lens	Motorized Lens	Motorized Lens	Motorized Lens
		3-9mm, 1/2.7", F1.2, RZ, RF, P-iris H-FOV = 115°-37°	3-9mm, 1/2.7", F1.2, RZ, RF, P-iris H-FOV = 82°-27°	3-9mm, 1/2.7", F1.2, RZ, RF, P-iris H-FOV = 87°-29°	3-9mm, 1/2.7", F1.2, RZ, RF, P-iris H-FOV = 87°-29°	3.6-9mm, 1/2.5", F1.3, RZ, RF, P-iris H-FOV = 96°-36°	4.7-9mm, 1/2.3", F1.5, RZ, RF, P-iris H-FOV = 78.8°-37°

*effective

Data Transmission

Compression Type	H.264 (MPEG-4, Part 10)/Motion JPEG 21 levels of quality
Protocols	RTSP, RTP/TCP, RTP/UDP, HTTP, DHCP, TFTP
Network Interface	100Base-T Ethernet Network Interface
Multi-Streaming	8 non-identical streams

Programmability

Remote focus, remote zoom and P-iris Control
Motion detection and privacy mask with up to 1024 detection zones
Auto adjustment between WDR and LDR modes (WDR models only)
Programmable shutter speed to help control motion blur
Pixel binning mode (3, 5 and 10MP)
Casino Mode™ maintains 30fps (AV2225 model)
Flexible Cropping (resolution windowing down to 1x1 pixel for JPEG and 2x2 pixels for H.264)
Low light noise filter control
Bit rate and bandwidth limitation control
Backlight compensation and multi-matrix white balance
50/60Hz selectable flicker control
Electronic pan, tilt, zoom (PTZ) and image flip 180°
Programmable resolution, brightness, saturation, gamma, sharpness, tint

Max Power Consumption
(Watts DC power)

Model	Watts
AV2225	11.3
AV2226/AV3226	12.4
AV3225/AV5225	11.5
AV10225	11.8

Audio Electrical
(-A models only)

Streaming	Two-way
Compression	G.711 PCM 8 kHz
Input/output	Microphone in or line in / line output

IR Illuminator

48 pcs 850nm LEDs / 25 meter IR distance (max) / 50° IR angle
No external power required

Mechanical

Casing	Die-casting aluminum cylindrical (Bullet-style) housing	
	IP66 weather proof standard	
	Vandal resistant	
Mount	Easily adjustable 3-axis w/360° pan, 90° tilt and 360° z-axis	
Total Unit Dimensions	Unit	4.7" H (119mm) x 4.7" W (119mm) x 11.1" D (282mm)
	Packaged	7.1" H (180mm) x 7.1" W (180mm) x 13.5" D (342.9mm)
Weight	Unit	3.9 lb (1.76 kg)
	Packaged	5.2 lb (2.35 kg)

Compliance

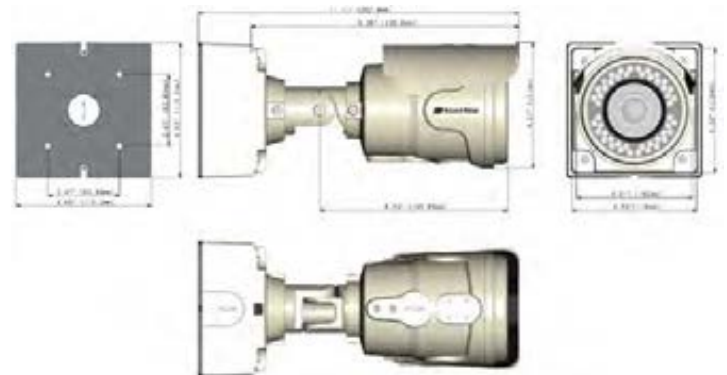
Industry Standard	PSIA Conformant
FCC Compliance	47 CFR 15 Class A
Environmental	RoHS, REACH, WEEE
Markings	(CE) EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1
Mechanical	IP66 (EN60529)

Environmental

Operating temperature	-40°C (-40°F) to +50°C (122°F)
Stable image temperature	0°C (32°F) to +50°C (122°F)
Storage temperature	-40°C (-40°F) to +60°C (140°F)
Humidity	0% to 90% (non-condensing)

Electrical

Alarm Input/Output	General purpose opto-coupled input
Power Over Ethernet	PoE 802.3af, Class 2
Auxiliary Power	12-48V DC, 24V AC



Accessory

SV-EBA	Electrical Box Adapter
MD-PMA	Pole Mount Adapter
MD-CRMA	Corner Mount Adapter