Arecont Vision®

Leading the Way in Megapixel Video™

MegaVideo® Compact IP Megapixel Cameras

H.264 Single or Dual Sensor True Day/Night Indoor Box-Style Compact IP Cameras
with WDR (Wide Dynamic Range) Models

Camera Models

1.3 Megapixel	1080p	1080p WDR	3 Megapixel	3 Megapixel WDR	5 Megapixel	10 Megapixel
AV1115v1	AV2115v1	AV2116DNv1	AV3115v1	AV3116DNv1	AV5115v1	AV10115v1
AV1115DNv1	AV2115DNv1		AV3115DNv1	AV3236DN	AV5115DNv1	AV10115DNv1
AV1115DNAIv1	AV2115DNAIv1		AV3115DNAIv1		AV5115DNAIv1	AV10115DNAIv1

MegaVideo® Compact multi-megapixel cameras provide ample resolution to zoom-in for details in live or recorded video. These box camera solutions are available at 1.2-, 1.3- 1080p, 3-, 5- or 10-megapixel resolutions with the fastest frame rates in the industry. MegaVideo® Compact cameras are "build to order" solutions: select the best lens, auto-iris, True Day/Night, Wide Dynamic Range (WDR), color-only and enclosures for specific applications (sold separately).

Single Sensor

Dual Sensor

Customizable Lens and Housing Options

Dual Sensor (AV3236)

True Day/Night with IR Cut Filter

Pixel Binning Mode on 3, 5, and 10MP Models

10M80P **Dual Mode: 1080p/10MP**

WDR **Wide Dynamic Range Available on Some 1080p and 3MP Models**

Casino Mode™ Maintains at Least 30fps on AV2115 Models

Dual Encoder H.264/MJPEG

Features:

- Small Size for Flexible Mounting Options
- Many Lenses to Choose From
- 3MP WDR + 1.2MP B/W Dual Sensor Camera Offers Strong Performance in Low Light and High Contrast Lighting Conditions
- Optional True WDR up to 100dB at Full Resolution: See Clearly in Shaded and Bright Light Conditions Simultaneously on Dual Sensor and Some 1080p and 3MP Models
- Binning Mode for Strong Low Light Performance on 3MP, 5MP and 10MP Models
- Day/Night, Color-Only or Auto-Iris Options
- True Day/Night Functionality with Removable IR Cut Filter
- Use with Arecont Vision Housings, or as a Standalone Camera (Dual Sensor Model is Incompatible with D4 Series Housings)
- PoE and Auxiliary Power: 12–48V DC/24V AC (Auxiliary Power Not Available for Dual Sensor Model)
- Dual Encoder H.264/MJPEG
- Privacy Mask, Motion Detection, Flexible Cropping, Bit Rate Control, Multi-Streaming and Forensic Zooming
- Casino Mode™ in 1080p Models (Maintains 30fps or Higher)
- Reduced Overall System Cost

Model Specific Features

Model	Resolution	Frame Rate	Features		
AV1115	1.3MP	42fps			
AV2115	1080p	31fps		Casino Mode™	
AV2116	1080p	31fps	WDR		
AV3115	3MP	21fps			Binning
AV3116	3MP	21fps	WDR		Binning
AV3236	3MP / 1.2MP	18fps / 40fps	WDR	Dual Sensor	Binning
AV5115	5MP	14fps			Binning
AV10115	10MP	7fps			Binning

Build-to-Order Options

DN*	True Day/Night
AI*	Auto-Iris

* Not Available for AV3236 Dual Sensor

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Camera Imaging Specifications

Model		AV1115	AV2115	AV2116	AV3115	AV3116	AV3236		AV5115	AV10115
Image Sensor (CMOS)		1.3MP*	1080p	1080p*	3MP*	3MP	3MP Color 1.2MP B/W		5MP	10MP
Optical Format		1/2.7"	1/2.7"	1/3.2"	1/2.5"	1/3.2"	1/3.2" @ 3MP 1/3" @ 1.2MP		1/2.5"	1/2.3"
Minimum Illumination	Color	0.1 Lux	0.1 Lux	0.3 Lux	0.3 Lux	0.3 Lux	0.2 Lux		0.3 Lux	0.42 Lux
	Color Binning	-	-	-	0.15 Lux	0.15 Lux	-		0.15 Lux	0.21 Lux
	True Day/Night (-DN Models)	0 Lux, IR sensitive	0 Lux, IR sensitive	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		1280 H x 1024 V	1920 H x 1080 V	1920 H x 1080 V	2048 H x 1536 V	2048 H x 1536 V	2048 H x 1536 V @ 3MP 1280 H x 1024 V @ 1.2MP		2592 H x 1944 V	3648 H x 2752 V
1/4 Resolution		640 H x 512 V	960 H x 540 V	960 H x 540 V	1024 H x 768 V	1024 H x 768 V	1024 H x 768 V @ 3MP 640 H x 512 V @ 3MP		1296 H x 968 V	1824 H x 1376 V
Dynamic Range		69dB	69dB	Up to 100dB	70.1dB	Up to 100dB	Up to 100dB		70.1dB	57.2dB
Frame Rates	Full Resolution	42fps (1280x1024)	31fps (1920x1080)	31fps (1920x1080)	21fps (2048x1536)	21fps (2048x1536)	1.2MP: 40fps (1280x960) 3MP: 18fps (2048x1536)		14fps (2592x1944)	7fps (3648x2752)
	Binning Mode	-	-	-	46fps (1024x768)	21fps (1024x768)	-		34fps (1296x972)	30fps (1920x1080)
	Upscaled	-	-	-	-	-	1.2MP: 18fps (2048x1536)		-	-
	Dual Stream	-	-	-	-	-	1.2MP 3MP: 11fps @	1280x960 2048x1536	-	-
	Dual Stream Upscaled	-	-	-	-	-	1.2MP 3MP: 8fps @	2048x1536 2048x1536	-	-

* Effective

Data Transmission

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

Programmability

- Wide dynamic range switch control
- Binning Mode (AV3115, AV3116, AV5115, AV10115)
- Flexible cropping
- On-camera real-time motion detection and privacy mask with 1024 detection zones
- Backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip: 180° rotation
- Resolution windowing down to 1x1 pixel for JPEG and 2x2 pixels for H.264
- Programmable shutter speed to help control motion blur
- Casino Mode™ in 1080p Models (Maintains 30fps or Higher)
- MoonLight™ Mode: extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Simultaneous delivery of full field-of-view and zoomed images
- Bandwidth and storage savings by running at 1/4 resolution
- Bit rate and bandwidth limitation control

Compliance

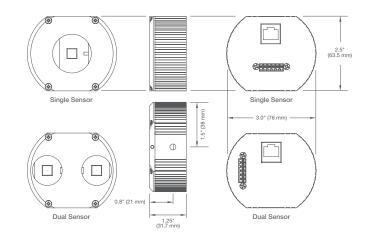|	
Industry Standard	ONVIF Profile S and PSIA Conformant
Listings	UL (CB)
FCC Compliance	47 CFR 15 Class A
Environmental	RoHS, REACH, WEEE
Markings	(CE) EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1

Electrical

Input/Output	General purpose opto-coupled
Power Over Ethernet	PoE 802.3af, Class 3
Auxiliary Power	12–48V DC, 24V AC (AV3236 is PoE only)
Power Consumption	4.5 Watts DC Power

Environmental

Operating temperature	-5°C (23°F) to +45°C (113°F)
Humidity	0% to 90% (non-condensing)
Stable image temperature	0°C (32°F) to +50°C (122°F)
Storage temperature	-20°C (-4°F) to +60°C (140°F)

Mechanical

Casing		Die-cast aluminum chassis
		C/CS lens mount
Total Unit Dimensions	Unit	3" W (76mm) x 1.25" D (31.7mm) x 2.5" H (63.5mm) (w/o lens)
	Packaged	4" W (102mm) x 4" L (102mm) x 3.7" H (94mm)
Weight	Unit	5.8oz (164 grams) w/o lens
	Packaged	0.7 lbs (0.318kg)

Single Sensor

Single Sensor

2.5" (63.5 mm)

1.5" (38 mm)

3.0" (76 mm)

Dual Sensor

0.8" (21 mm)

1.25" (31.7 mm)

Dual Sensor

MegaVideo® Compact D4SO Series IP Megapixel Cameras

1.3–5MP H.264 All-in-One True Day/Night Indoor or Indoor/Outdoor Dome IP Cameras

Kit Part Number	Kit Components	Camera Part Number & Description	Lens Part Number & Description	Housing Part Number & Description
D4SO-AV1115DNv1-3312	AV1115DNv1 + MPL3312A Varifocal and D4SO Surface Mount Outdoor Dome	AV1115DNv1: 1.3 Megapixel, 42 fps, H.264/MJPEG Day/Night Camera, 1280x1024, motorized IR cut filter, Compact, 12VDC/24VAC/PoE	MPL3312A: Arecont 3.3-12mm, 1/2.5, f1.4 CS-mount, IR corrected and for use with both WDR and non-WDR cameras	D4SO: Outdoor Surface Mount Dome
D4SO-AV2115DNv1-3312	AV2115DNv1 + MPL3312A Varifocal and D4SO Surface Mount Outdoor Dome, Casino Mode	AV2115DNv1: 1080p, 31 fps, Megapixel H.264/MJPEG Day/Night Camera, 1920x1080, motorized IR cut filter, Compact, 12VDC/24VAC/PoE, Casino Mode	MPL3312A: Arecont 3.3-12mm, 1/2.5, f1.4 CS-mount, IR corrected and for use with both WDR and non-WDR cameras	D4SO: Outdoor Surface Mount Dome
D4SO-AV3115DNv1-3312	AV3115DNv1 + MPL3312A Varifocal and D4SO Surface Mount Outdoor Dome	AV3115DNv1: 3 Megapixel, 21 fps, H.264/MJPEG Day/Night Camera, 2048x1536, motorized IR cut filter, Compact, 12VDC/24VAC/PoE, Binning	MPL3312A: Arecont 3.3-12mm, 1/2.5, f1.4 CS-mount, IR corrected and for use with both WDR and non-WDR cameras	D4SO: Outdoor Surface Mount Dome
D4SO-AV5115DNv1-3312	AV5115DNv1 + MPL3312A Varifocal and D4SO Surface Mount Outdoor Dome	AV5115DNv1: 5 Megapixel, 14 fps, H.264/MJPEG Day/Night Camera, 2592x1944, motorized IR cut filter, Compact, 12VDC/24VAC/PoE, Binning	MPL3312A: Arecont 3.3-12mm, 1/2.5, f1.4 CS-mount, IR corrected and for use with both WDR and non-WDR cameras	D4SO: Outdoor Surface Mount Dome

Accessories		
	AV-CRMA	Corner Mount Adapter
	AV-EBA	Light gray electrical box adapter
	AV-JBA	Light gray junction box adapter (Fit 3/4" NPT Conduit)
	AV-PMA	Pole Mount Adapter
	AV-PMJB	Pendant Mount Bracket with Junction Box (Fits Cap 1.5" NPT, Box Fits 3/4" NPT)
	AV-WMJB	Wall Mount Bracket with Junction Box (Fits Cap 1.5" NPT, Box Fits 3/4" NPT)
	D4SO*	Outdoor 4" Dome
	DOME5-I*	Recessed 5" Dome
	HSG2	Outdoor PoE Housing compatible with HSG2-WMT Wall Mount
	HSG2-WMT	Wall Mount for HSG2 Housing
	MD-CAP	Wall Mount and Cap Accessory

* Not compatible with Dual Sensor model

Features:
- Integrated Vari-Focal Lens (Accepts Additional Lenses)
- Casino Mode™ Guarantees Continuous 30fps Frame Rate Required by Gaming Industry Regulations (1080p Models)
- Binning Mode for Strong Low Light Performance on 3MP and 5MP Resolutions
- Day/Night and Color-Only Options
- Outdoor Rated IP66 and IK-10 Impact-Resistant Housing (D4SO)
- Easily Adjustable 2-Axis Gimbal
- PoE and Auxiliary Power: 12–48V DC/24V AC
- Dual Encoder H.264/MJPEG
- Privacy Mask, Motion Detection, Flexible Cropping, Bit Rate Control, Multi-Streaming and Forensic Zooming
- User-Friendly Webpage
- Reduced Overall System Cost
- Made in the USA

All-in-One Solution

MegaVideo® Compact + D4SO Indoor/Outdoor Housing = All-in-One Solution

D4SO Mechanical

Casing	Die-cast aluminum chassis	
	Polycarbonate Dome	
Total Unit Dimensions	Unit	Ø 5.5" (140.3mm) x 4.9" H (124.6mm)
	Packaged	8" W (203mm) x 7.5" L (190mm) x 6" H (152mm)
Weight	Unit	2.0 lbs (0.91kg) w/o camera 2.4 lbs (1.09kg) w/ camera
	Packaged	3.1 lbs (1.406kg)

Made in the USA CE c UL us