Arecont Vision®

Leading the Way in Megapixel Video™

MegaVideo® Compact

H.264 Single or Dual Sensor Day/Night Indoor Box-Style Compact IP Cameras with Wide Dynamic Range (WDR) 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	AV3236	AV5115DNv1	AV10115DNv1
AV1115DNAIv1	AV2115DNAIv1		AV3115DNAIv1		AV5115DNAIv1	AV10115DNAIv1



Single Sensor Dual Sensor

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, Day/Night, Wide Dynamic Range (WDR), color-only and enclosures for specific applications (sold separately).

Customizable Lens and Housing Options

Dual Sensor (AV3236)

True Day/Night with IR Cut Filter

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

Dual Mode: 1080p/10MP

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
- PSIA Conformant
- Fast Frame Rates
- Casino Mode™ in 1080p Models (Maintains 30fps or Higher)
- New User-Friendly Webpage
- Reduced Overall System Cost
- Made in the USA

Model Specific Features

Model	Resolution	Frame Rate	Features		
AV1115	1.3MP	42fps			
AV2115	1080p	31fps		Casino Mode™	
AV2116	1080p	21fps	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*	Day/Night
AI*	Auto-Iris

* Not Available for AV3236 Dual Sensor

PSIA

Camera Imaging Specifications

				WDR		WDR	WDR + B/W Dual Sensor			
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
	Day/Night (-DN Version)	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)	21fps (2048x1536)	21fps (2048x1536)	21fps (2048x1536)	1.2MP	40fps (1280x960)	14fps (2592x1944)	7fps (3648x2752)
							3MP	18fps (2048x1536)		
	Binning Mode	-	-	-	46fps (1024x768)	21fps (1024x768)	-		34fps (1296x972)	30fps (1920x1080)
	Upscaled	-	-	-	-	-	1.2MP	18fps (2048x1536)	-	-
	Dual Stream	-	-	-	-	-	1.2MP	11fps @ 1280x960	-	-
							3MP	11fps @ 2048x1536		
	Dual Stream Upscaled	-	-	-	-	-	1.2MP	8fps @ 2048x1536	-	-
							3MP	8fps @ 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 bandwith limitation control

Compliance

Industry Standard	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

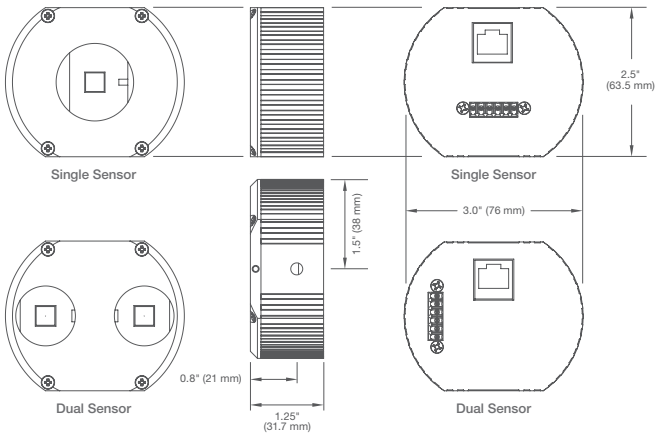
Input/Output	General purpose opto-coupled
Power Over Ethernet	PoE 802.3af, Class 3
Auxiliary Power	12–48V DC, 24V AC
Power Consumption	4.5 Watts DC Power

Environmental

Operating temperature	-5°C (23°F) to +45°C (113°F)
	-5°C (23°F) to +40°C (104°F) (in Dome4 housings)
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)



Accessories

D4S*	Indoor 4" Surface Dome
D4F*	Indoor 4" In-Ceiling Dome
D4SO*	Outdoor 4" Dome
DOME4-I	Indoor 4" Dome
DOME4-O	Outdoor 4" Dome
DOME5-I*	Recessed 5" Dome
HSG2	Outdoor PoE Housing

* Not compatible with Dual Sensor model

Made in the USA

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MegaVideo® Compact D4 Series

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

Camera Models

1.3 Megapixel	1080p	3 Megapixel	5 Megapixel
D4F-AV1115v1-3312	D4F-AV2115v1-3312	D4F-AV3115v1-3312	D4F-AV5115v1-3312
D4F-AV1115DNv1-3312	D4F-AV2115DNv1-3312	D4F-AV3115DNv1-3312	D4F-AV5115DNv1-3312
D4S-AV1115v1-3312	D4S-AV2115v1-3312	D4S-AV3115v1-3312	D4S-AV5115v1-3312
D4S-AV1115DNv1-3312	D4S-AV2115DNv1-3312	D4S-AV3115DNv1-3312	D4S-AV5115DNv1-3312
D4SO-AV1115v1-3312	D4SO-AV2115v1-3312	D4SO-AV3115v1-3312	D4SO-AV5115v1-3312
D4SO-AV1115DNv1-3312	D4SO-AV2115DNv1-3312	D4SO-AV3115DNv1-3312	D4SO-AV5115DNv1-3312



D4S
Indoor Surface Mount Dome

D4SO
Indoor/Outdoor Surface Mount Dome

D4F
Indoor Flush Mount Dome

All-in-One Solution



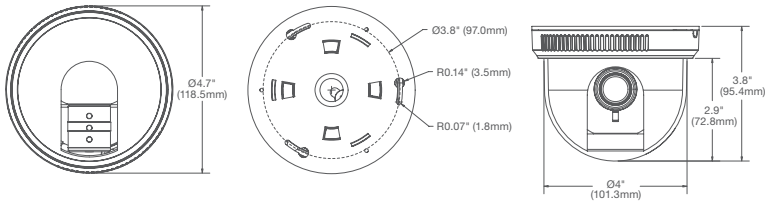
MegaVideo® Compact + D4 Housing = All-in-One Solution

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
- Fast Frame Rates
- New User-Friendly Webpage
- Reduced Overall System Cost
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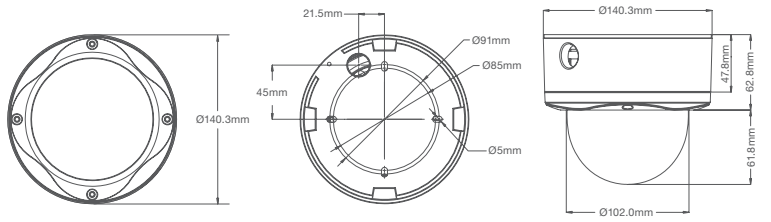
D4S Mechanical

Casing	Acrylonitrile Butadiene Styrene (ABS) Plastic Housing		
	Acrylic (PMMA) Dome		
Total Unit Dimensions	Unit	Ø 4.7" (118.5mm) x 3.8" H (95.4mm)	
	Packaged	6.5" W (165mm) x 6.5" L (165mm) x 5.8" H (147mm)	
Weight	Unit	0.47 lbs (0.215kg) w/o camera	0.98 lbs (0.445kg) w/ camera
	Packaged	1.4 lbs (0.635kg)	



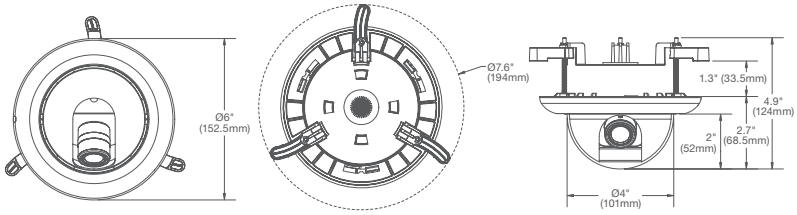
D4SO Mechanical

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)	



D4F Mechanical

Casing	Acrylonitrile Butadiene Styrene (ABS) Plastic Housing		
	Acrylic (PMMA) Dome		
Total Unit Dimensions	Unit	Ø 6" (152.5mm) x 4.9" H (124mm)	
	Packaged	8.2" W (208mm) x 8.2" L (208mm) x 7" H (178mm)	
Weight	Unit	0.64 lbs (0.29kg) w/o camera	1.16 lbs (0.525kg) w/ camera
	Packaged	1.8 lbs (0.816kg)	



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