

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) and STELLAR™ (Spatio Temporal Low Light Architecture) Models

Camera Models

1.2 Megapixel STELLAR™	1080p	1080p WDR	3 Megapixel	3 Megapixel WDR	5 Megapixel	10MP/1080p Dual Mode
AV1215PM-S	AV2215PM-S	AV2216PM-S	AV3215PM-S	AV3216PM-S	AV5215PM-S	AV10215PM-S
AV1215DN	AV2215DN	AV2216DN	AV3215DN	AV3216DN	AV5215DN	AV10215DN
				AV3236		



Dual Sensor

Single 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-, 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).

Customizable Lens and Motorized Lens Options with Remote Focus/Zoom and Housing Options

STELLAR™
Low Light Technology on 1.2MP Models

Dual Sensor (AV3236)

P-Iris Control for Best Depth of Field and Image Clarity (PM Models)

True Day/Night with IR Cut Filter

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

CorridorView™ with 90° Image Flip (-S Models)

SDHC Card Slot (-S Models)

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:

- 1.2–10MP Models
- STELLAR™ (Spatio Temporal Low Light Architecture) Reduces Motion Blur, Noise and Storage Requirements, While Enhancing Contrast and Allowing Color Imaging in Near Complete Darkness on 1.2MP Models
- Small Size for Flexible Mounting Options
- Many Lenses to Choose From
- Remote Focus/Zoom Motorized P-Iris Lens (PM Models)
- P-Iris Control to Get Best Depth of Field and Image Clarity (PM Models)
- 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
- True Day/Night Functionality with Removable IR Cut Filter
- Binning Mode for Strong Low Light Performance on 3MP, 5MP and 10MP Models
- Casino Mode™ in 1080p Models (Maintains 30fps or Higher)
- CorridorView™ Allows 90° Image Rotation for Better Coverage in Hallways and Corridors
- Privacy Mask, Motion Detection, Flexible Cropping, Bit Rate Control, Multi-Streaming, Forensic Zooming and Non-Integer Scaling
- Dual Encoder H.264/MJPEG
- SDHC Card Slot for Onboard Storage (-S Models)
- Day/Night, Color-Only or Auto-Iris Options
- 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)
- Fast Frame Rates

Model Specific Features

Model	Resolution	Frame Rate	Features		
AV1215	1.2MP	42fps			
AV2215	1080p	31fps		Casino Mode™	
AV2216	1080p	21fps	WDR		
AV3215	3MP	21fps			Binning
AV3216	3MP	21fps	WDR		Binning
AV3236	3MP / 1.2MP	18fps / 40fps	WDR	Dual Sensor	Binning
AV5215	5MP	14fps			Binning
AV10215	10MP	7fps			Binning

Build-to-Order Options

DN*	True Day/Night
AI*	Auto-Iris
PM*	Remote Zoom, Remote Focus, P-iris, True Day/Night
-S	SDHC Card Slot, CorridorView™ w/ 90° Image Flip, Non-Integer Scaling

* Not Available for AV3236 Dual Sensor

Camera Imaging Specifications

Model		AV1215		AV2215		AV2216		AV3215		AV3216		AV3236		AV5215		AV10215	
		DN	PM-S	DN	PM-S	DN	PM-S	DN	PM-S	DN	PM-S	DN	PM-S	DN	PM-S	DN	PM-S
Image Sensor		1.2MP*		2.07MP**		2.07MP**		3MP		3MP		3MP Color / 1.2MP B/W		5MP		10MP	
Optical Format		1/3"		1/3"		1/3"		1/3"		1/3.2"		1/3.2" @ 3MP / 1/3" @ 1.2MP		1/2.5"		1/2.3"	
Pixel Pitch		3.75µm		2.2µm		2.2µm		2.2µm		2.2µm		-		2.2µm		1.67µm	
Minimum Illumination	Color (Day Mode)	0.02 Lux		0.1 Lux		0.3 Lux		0.1 Lux		0.3 Lux		0.2 Lux		0.3 Lux		0.42 Lux	
	Color Binning (Day Mode)	-		-		-		0.05 Lux		0.15 Lux		-		0.15 Lux		0.21 Lux	
	B/W (Day Mode)	0.002 Lux, 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 960 V		1920 H x 1080V		1920 H x 1080V		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 480 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 972 V		1824 H x 1376 V	
Scaling		-		Yes		Yes		Yes		Yes		-		Yes		Yes	
Dynamic Range		83.5dB		69.5dB		WDR up to 100dB		69.5dB		WDR up to 100dB		Up to 100dB		70.1dB		57.2dB	
Maximum SNR		54dB		44dB		49dB		44dB		49dB		-		45dB		40dB	
Frame Rates	At Max Resolution	37fps (1280x960)		31fps (1920x1080)		30fps (1920x1080)		21fps (2048x1536)		21fps (2048x1536)		1.2MP 40fps (1280x960) 3MP 18fps (2048x1536)		14fps (2592x1944)		7fps (3648x2752)	
	Cropped	-		42fps (1280x1024)		41fps (1280x1024)		29fps (1920x1080) 41fps (1280x1024)		30fps (1920x1080) 41fps (1280x1024)		-		21fps (2048x1536) 29fps (1920x1080) 41fps (1280x1024)		12fps (2592x1944) 18fps (2048x1536) 25fps (1920x1080) 37fps (1280x1024)	
	Binning Mode	-		-		-		46fps (1024x768) 64fps (960x540)		21fps (1024x768) 27fps (800x600) 31fps (960x540) 32fps (640x512)		-		34fps (1296x972) 46fps (1024x768) 64fps (960x540)		29fps (1920x1080) 26fps (1824x1376) 43fps (1296x972) 54fps (1024x768)	
Lens (Sold separately)	MPL2.8-8.5MPI RF/RZ/P-iris/CS mount	-	2.8-8.5mm, F1.2	-	2.8-8.5mm, F1.2	-	2.8-8.5mm, F1.2	-	2.8-8.5mm, F1.2	-	2.8-8.5mm, F1.2	-	-	-	-	-	-
	MPL3.3-8.5MPI RF/RZ/P-iris/CS mount	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3-8.5mm, F1.2	-	-

* STELLAR™ Model ** 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

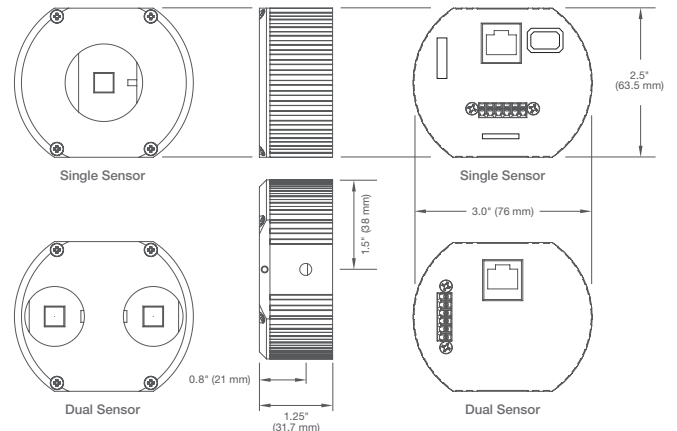
Programmability	Wide dynamic range switch control
	Binning Mode (AV3215, AV3216, AV3236, AV5215, AV10215)
	Flexible cropping
	On-camera real-time motion detection and privacy mask with 1024 detection zones
	Backlight compensation
	Auto multi-matrix white balance
	50/60Hz selectable flicker control
	Electronic 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) -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

MegaVideo® Compact D4 Series IP Megapixel Cameras

1.3–5MP H.264 All-in-One True 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



Features:

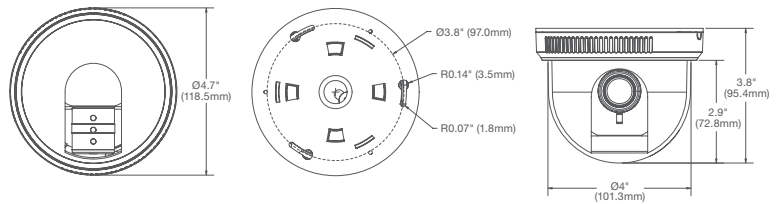
- Integrated Vari-Focal Lens (Accepts Additional Lenses)
- Casino Mode™ Guarantees Continuous 30fps Frame Rate Required by Gaming Industry Regulations (1080p Models)
- Binning Mode for Strong Low Light Performance on 3MP and 5MP Resolutions
- Day/Night and Color-Only Options
- Outdoor Rated IP66 and 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
- Made in the USA

All-in-One Solution



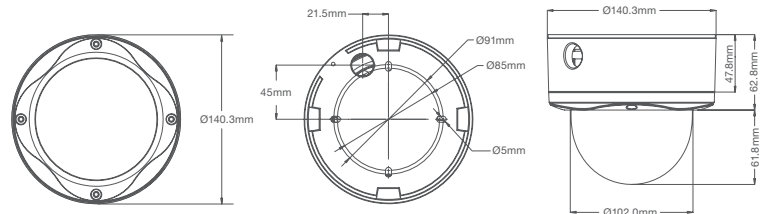
D4S Mechanical

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)

