

## MegaVideo® Compact

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

### Camera Models

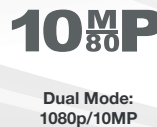
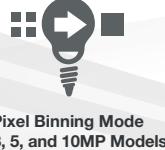
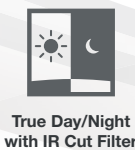
1.3 Megapixel	1080p	1080p WDR	3 Megapixel	3 Megapixel WDR	5 Megapixel	10 Megapixel
AV1115v1	AV2115v1	AV2116DNv1	AV3115v1	AV3116DNv1	AV5115v1	AV10115v1
AV1115DNv1	AV2115DNv1		AV3115DNv1	AV3236	AV5115DNv1	AV10115DNv1
AV1115DNAv1	AV2115DNAv1		AV3115DNAv1		AV5115DNAv1	AV10115DNAv1



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).



### 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



## Camera Imaging Specifications

		WDR			WDR		WDR + B/W Dual Sensor			
Model		AV1115	AV2115	AV2116	AV3115	AV3116	AV3236		AV5115	AV10115
<b>Image Sensor (CMOS)</b>		1.3MP	1080p	1080p	3MP	3MP	3MP Color 1.2MP B/W		5MP	10MP
<b>Optical Format</b>		1/2.7"	1/2"	1/3.2"	1/2"	1/3.2"	1/3.2" @ 3MP 1/3" @ 1.2MP		1/2.5"	1/2.3"
<b>Minimum Illumination</b>	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
<b>Full FOV Resolution</b>		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
<b>1/4 Resolution</b>		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
<b>Dynamic Range</b>		69dB	69dB	Up to 100dB	70.1dB	Up to 100dB	Up to 100dB		70.1dB	57.2dB
<b>Frame Rates</b>	Full Resolution	42fps (1280x1024)	31fps (1920x1080)	21fps (2048x1536)	21fps (2048x1536)	21fps (2048x1536)	1.2MP 3MP	40fps (1280x960) 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 @ 2048x1536	-	-
	Dual Stream Upscaled	-	-	-	-	-	1.2MP 3MP	8fps @ 2048x1536	-	-

## Data Transmission

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

## Environmental

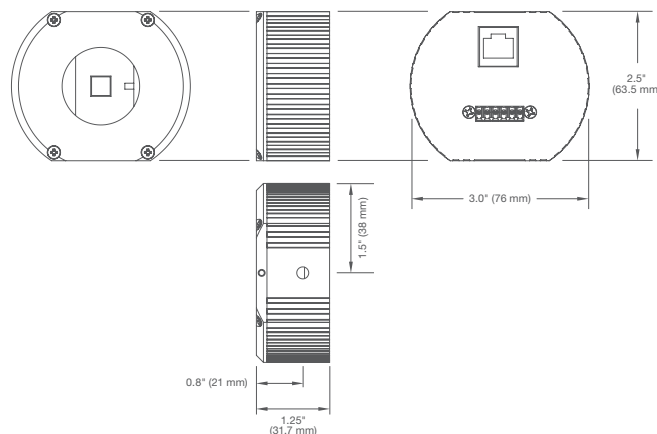
<b>Operating temperature</b>	-5°C (23°F) to +50°C (122°F) w/Heater
<b>Humidity</b>	0% to 90% (non-condensing)
<b>Stable image temperature</b>	0°C (32°F) to +50°C (122°F)
<b>Storage temperature</b>	-20°C (-4°F) to +60°C (140°F)

## 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

## Mechanical

<b>Casing</b>	Die-cast aluminum chassis	
	C/CS lens mount	
<b>Total Unit Dimensions</b>	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)
<b>Weight</b>	Unit	5.8oz (164 grams) w/o lens
	Packaged	0.7 lbs (0.318kg)



## Compliance

<b>Industry Standard</b>	PSIA Conformant
<b>Listings</b>	UL (CB)
<b>FCC Compliance</b>	47 CFR 15 Class A
<b>Environmental</b>	RoHS, REACH, WEEE
<b>Markings</b>	(CE) EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1
<b>Mechanical</b>	IK-10 (EN62262), IP66 (EN60529)

## Electrical

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

## 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

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



## Features:

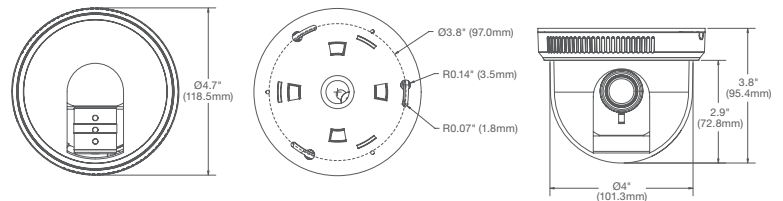
- Integrated Vari-Focal Lens (Accepts Additional Lenses)
- Casino Mode™ Guarantees Continuous 30fps Frame Rate Required by Gaming Industry Regulations (1080p Models)
- Binning Mode for Strong Low Light Performance on 3MP and 5MP Resolutions
- Day/Night and Color-Only Options
- Outdoor Rated IP66 and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



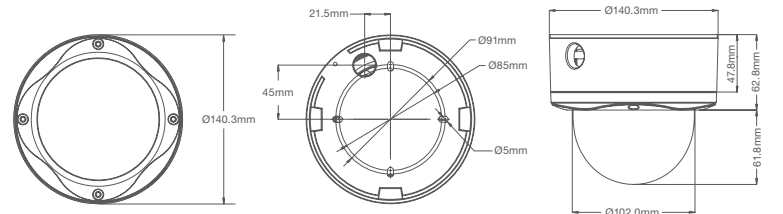
## D4S Mechanical

<b>Casing</b>	Acrylonitrile Butadiene Styrene (ABS) Plastic Housing	
	Acrylic (PMMA) Dome	
<b>Total Unit Dimensions</b>	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)
<b>Weight</b>	Unit	0.47 lbs (0.215kg) w/o camera    0.98 lbs (0.445kg) w/ camera
	Packaged	1.4 lbs (0.635kg)



## D4SO Mechanical

<b>Casing</b>	Die-cast aluminum chassis	
	Polycarbonate Dome	
<b>Total Unit Dimensions</b>	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)
<b>Weight</b>	Unit	2.0 lbs (0.91kg) w/o camera    2.4 lbs (1.09kg) w/ camera
	Packaged	3.1 lbs (1.406kg)



## D4F Mechanical

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

