

## 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.

**Integrated Motorized Lens with Remote Focus and Zoom**

**P-Iris Control for Best Depth of Field and Image Clarity**

**All-in-One Bullet-Style Solution**

**True Day/Night with IR Cut Filter**

**Vandal and Weather Proof IP66 Rated**

**Audio Input/Output (-A Models)**

**Dual Mode: 1080p/10MP on 10MP Models**

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

**IR LEDs**

**Wide Dynamic Range Available on AV2226 AV3226 Models**

**Casino Mode™ Maintains at Least 30fps on 1080p Models**

**Dual Encoder H.264/MJPEG**

### 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
----	-------

## Camera Imaging Specifications

		WDR			WDR		
Model		AV2225	AV2226	AV3225	AV3226	AV5225	AV10225
<b>Image Sensor (CMOS)</b>		2.07MP (1080p)	2.07MP (1080p)*	3MP*	3MP	5MP	10MP
<b>Optical Format</b>		1/2.7"	1/3.2"	1/2.5"	1/3.2"	1/2.5"	1/2.3"
<b>Pixel Pitch</b>		3µm	2.2µm	2.2µm	2.2µm	2.2µm	1.67µm
<b>Minimum Illumination</b>	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
<b>Full FOV Resolution</b>		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
<b>1/4 Resolution</b>		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
<b>Dynamic Range</b>		69dB	WDR up to 100dB	70.1dB	WDR up to 100dB	70.1dB	57.2dB
<b>Maximum SNR</b>		45dB	49dB	45dB	49dB	45dB	40dB
<b>Frame Rates</b>	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)
	Binning Mode	-	-	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)
<b>Lens</b>	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

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

<b>Programmability</b>	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

<b>Compliance</b>	<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>	IP66 (EN60529)

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

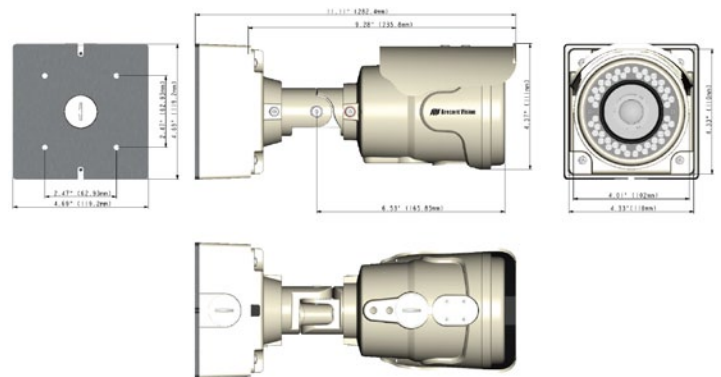
<b>Electrical</b>	<b>Alarm Input/Output</b>	General purpose opto-coupled input
	<b>Power Over Ethernet</b>	PoE 802.3af, Class 2
	<b>Auxiliary Power</b>	12-48V DC, 24V AC

<b>Max Power Consumption</b> (Watts DC power)	<b>Model</b>	<b>Watts</b>
	AV2225	11.3
	AV2226/AV3226	12.4
	AV3225/AV5225	11.5
	AV10225	11.8

<b>Audio Electrical</b> (-A models only)	<b>Streaming</b>	Two-way
	<b>Compression</b>	G.711 PCM 8 kHz
	<b>Input/output</b>	Microphone in or line in / line output

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

<b>Mechanical</b>	<b>Casing</b>	Die-casting aluminum cylindrical (Bullet-style) housing IP66 weather proof standard Vandal resistant
	<b>Mount</b>	Easily adjustable 3-axis w/360° pan, 90° tilt and 360° z-axis
<b>Total Unit Dimensions</b>	Unit	4.7" H (119mm) x 4.7" W (119mm) x 11.11" D (282mm)
	Packaged	7.1" H (180mm) x 7.1" W (180mm) x 13.5" D (342.9mm)
<b>Weight</b>	Unit	3.9 lb (1.76 kg)
	Packaged	5.2 lb (2.35 kg)



<b>Accessory</b>	SV-EBA	Electrical Box Adapter
	MD-PMA	Pole Mount Adapter
	MD-CRMA	Corner Mount Adapter