

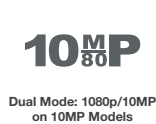
MegaView® 2 IP Megapixel Bullet Cameras

1.2–10MP H.264 All-in-One Motorized P-Iris Lens True Day/Night IR Indoor/Outdoor Bullet-Style IP Cameras with WDR (Wide Dynamic Range) and STELLAR™ (Spatio Temporal Low Light Architecture) Models



All-in-One Solutions – MegaView® 2

MegaView 2 second generation 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 1.2-, 1080p, 3-, 5-, or 10-megapixel camera with fast frame rates and an IR corrected motorized wide angle or telephoto, P-iris lens into an IP66 environmental rated, IK-10 impact-resistant bullet-style housing. H.264 compression reduces bandwidth and storage requirements while delivering full frame rates and full resolution without sacrificing image quality.



MegaView® 2 IP Megapixel Bullet Cameras

Highlighted Features:

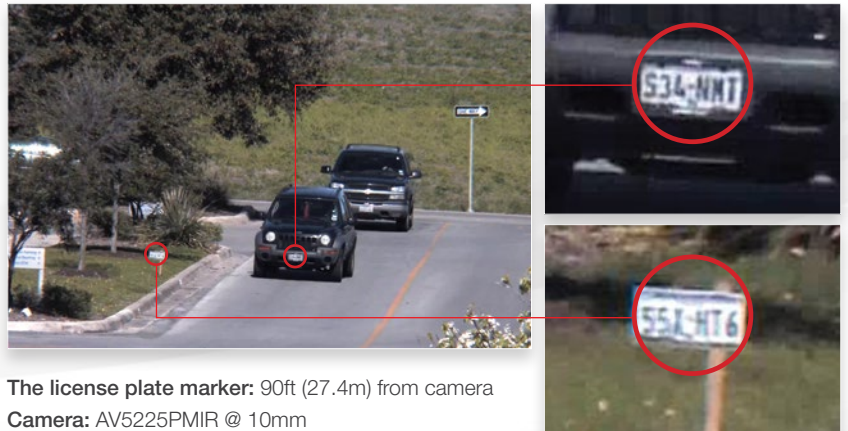
- 1.2–10 Megapixel Models
- Remote Focus/Zoom Motorized P-Iris Lens
- P-Iris Control to Get Best Depth of Field and Image Clarity
- Wide Angle or Telephoto Lens Options
- STELLAR™ (Spatio Temporal Low Light Architecture) Reduces Motion Blur, Noise and Storage Requirements, While Enhancing Contrast and Allowing Color Imaging in Near Complete Darkness on 1.2MP Models
- 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
- True Day/Night Functionality with Mechanical IR Cut Filter and IR LEDs
- Binning Mode for Strong Low Light Performance on 3MP, 5MP and 10MP Cameras
- Casino Mode™ Guarantees Continuous 30fps Frame Rate Required by Gaming Industry Regulations (AV2225 Models)
- CorridorView™ Allows 90° Image Rotation for Better Coverage in Hallways and Corridors (-S Models)
- Privacy Mask, Motion Detection, Flexible Cropping, Bit Rate Control, Multi-Streaming, Forensic Zooming and Non-Integer Scaling
- Dual Encoder H.264/MJPEG
- Fast Frame Rates
- SDHC Card Slot for Onboard Storage (-S Models)
- Total PoE Solution (No External Power Required for IR LEDs), PoE and Auxiliary Power: 12–48V DC/24V AC
- IK-10 Impact-Resistant Housing (-S Models) and Outdoor Rated IP66
- Easily Adjustable 3-Axis Wall Mount, Junction Box Included
- Optional Audio
- ONVIF Profile S and PSIA Conformant
- User-Friendly Web Interface



Increased Resolution for Forensic Zooming

Arecont Vision MegaView 2 cameras allow you to choose the level of resolution you need. In applications where extreme detail is required, such as license plate or face recognition, a higher resolution camera can be selected to ensure sufficient pixel density is delivered.

Because megapixel images have a greater number of pixels than VGA images, MegaView 2 cameras allow users to view up-close details in live or recorded video at any time without compromising overall surveillance—an added benefit not possible with conventional PTZ cameras.



The license plate marker: 90ft (27.4m) from camera

Camera: AV5225PMIR @ 10mm

Pixel density archived: 50PPF (164PPM)

STELLAR™ Technology and Enhanced Low Light Performance

MegaView 2 now features a 1.2MP model with Spatio Temporal Low Light Architecture (STELLAR™) technology, which allows for color imaging in near complete darkness. Arecont Vision® STELLAR™ technology utilizes a patented noise reduction algorithm that reduces noise, motion blur, and bit rate and storage requirements. Along with adaptive contrast enhancement, MegaView 2 with STELLAR™ has superior low light sensitivity, making it capable of covering areas where very little light is present.



Color Image without STELLAR™ Technology at .01 Lux



Color Image with STELLAR™ Technology at .01 Lux

In addition to STELLAR™ models, all MegaView 2 camera models are equipped with True Day/Night operation, and MegaView 2 cameras that are 3MP or higher include pixel binning to reduce noise. These functionalities along with integrated IR illumination provide a winning combination in complete darkness.

MegaDynamic® Wide Dynamic Range (WDR)



Megapixel image without WDR



Megapixel image with WDR

Users can achieve clear images in extreme lighting conditions with MegaView 2 True WDR cameras in resolutions of 1080p and 3MP. Wide Dynamic Range up to 100dB at full resolution balances light and dark areas in the same scene, such as in the lobby of an office building with large windows, the loading dock at a distribution facility or many retail environments.

Remote Focus/Zoom and P-Iris

The MegaView® 2 series of all-in-one H.264 cameras combines megapixel resolution with remote focus, remote zoom, True Day/Night and P-iris capabilities. The cameras can be installed without locally adjusting the field of view or focus.

All lens operations can be remotely controlled from the head end to refine the field of view and focus of the scene. Short or full range focus scan functions analyze the local or full scene to determine the best focus for the chosen field of view.



Telephoto P-Iris Lens Option

MegaView 2 cameras are available with motorized telephoto lenses, further boosting their flexibility as all-in-one bullet-style solutions. Telephoto lenses offer a broad optical range for every sensor resolution in the MegaView 2 family.

These telephoto lenses feature P-iris technology to achieve the best image quality possible and offer remote focus / remote zoom for easy installation and maintenance.



Optical Range Per Sensor	
1080p	8–22mm
1080p WDR	8–22mm
3MP	8–22mm
3MP WDR	8–22mm
5MP	9–22mm
10MP	12–22mm

IR Illuminator Specifications

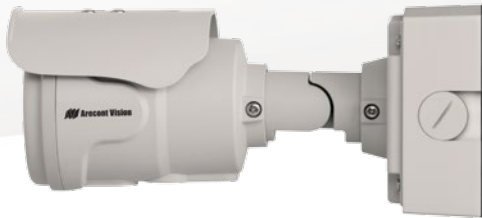
IR illuminators provide coverage in total darkness for a 24-hour solution.

	PMIR	PMTIR
IR LEDs	48 pcs	4 pcs
IR Wavelength	850nm	850nm
IR Distance	100ft (30m)	200ft (60m)
IR Angle	50°	33°



Total PoE Solution

No external power is needed for the IR LED ring.



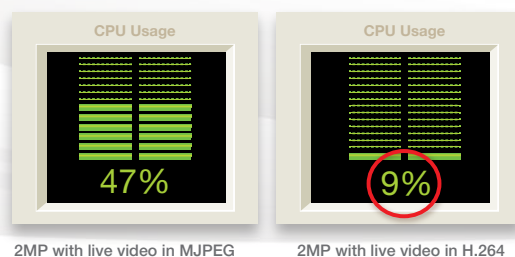
Junction Box Included

MegaView 2 ships with its own junction box, simplifying both installation and the ordering process.

Compliant H.264 Compression

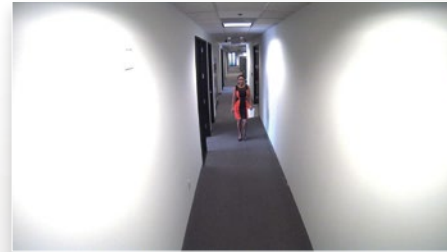
MegaView 2's compliant implementation of H.264 allows full frame rates and full resolution without sacrificing image quality. With bit rate control, the CPU load is decreased at both the client (decompression) side and the server/storage side, allowing lower bandwidth and storage relative to MJPEG. Real Time Streaming Protocol (RTSP) allows for compatibility with media players such as Apple QuickTime®, VLC and others.

H.264 Decompression (example)

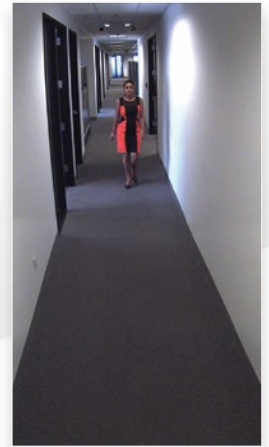


CorridorView™

With CorridorView™, MegaView 2 can rotate or flip pixels in 90° increments. This works great for narrow hallways where pixels are often wasted capturing the surrounding walls.



Standard View



CorridorView™

Remote Focus/Zoom with User-Friendly Web Interface

For easy installation, remote focus and remote zoom can be done through the camera webpage. Just click "short range focus" or "full range focus" to get a clear image. The added P-iris functionality provides an automatic, precise iris control.

Additional Benefits Include:

- Fine tuning for a better image after installation
- Quicker installation
- Ability to choose wide or telephoto field of view depending on application requirements
- P-iris is designed to provide improvements in image quality and depth of field

Zoom & Focus

Zoom:

+20 +5 +1

-20 -5 -1

☒ Enable Auto Focus after zoom

Focus:

+20 +5 +1

-20 -5 -1

Full-range Focus

Short-range Focus

Stop

Focus Aid: 4495

Update Focus Aid

Product Comparison



Model	Resolution		Minimum Illumination	Lens	Max Frame Rate @ Full Resolution	Day/Night	STELLAR™	WDR	Binning Mode	Remote Focus/Zoom	P-Iris Lens	Telephoto Lens Option	SDHC Card Option	IR LEDs	Audio Option
AV1225	1.2MP	1280 x 960	Color: 0.02 Lux B/W: 0.002 Lux, 0 Lux, IR Sensitive	3-9mm, 1/2.7", F1.2, H-FOV = 92°-31°	37fps	•	•			•	•		•	•	
AV2225	1080p	1920 x 1080	Color: 0.1 Lux B/W: 0 Lux, IR Sensitive	3-9mm, 1/2.7", F1.2, H-FOV = 115°-37°, (-S Models: H-FOV = 82°-27°)	31fps	•				•	•	•	•	•	•
				8-22mm, 1/2.7", F1.6, Telephoto, H-FOV = 42°-16°, (-S Models: H-FOV = 26°-11°)											
AV2226	1080p	1920 x 1080	Color: 0.3 Lux B/W: 0 Lux, IR Sensitive	3-9mm, 1/2.7", F1.2, H-FOV = 85°-30°	30fps	•		•		•	•	•	•	•	
				8-22mm, 1/2.7", F1.6, Telephoto, H-FOV = 30°-11°											
AV3225	3MP	2048 x 1536	Color (Non-Binning): 0.3 Lux (-S Models: 0.1 Lux) Color (Binning): 0.15 Lux (-S Models: 0.05 Lux) B/W: 0 Lux, IR Sensitive	3-9mm, 1/2.7", F1.2, H-FOV = 87°-29°	21fps	•			•	•	•	•	•	•	
				8-22mm, 1/2.7", F1.6, Telephoto, H-FOV = 28°-12°											
AV3226	3MP	2048 x 1536	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	3-9mm, 1/2.7", F1.2, H-FOV = 90°-32°	21fps	•		•	•	•	•	•	•	•	•
				8-22mm, 1/2.7", F1.6, Telephoto, H-FOV = 32°-12°											
AV5225	5MP	2592 x 1944	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	3.6-9mm, 1/2.5", F1.3, H-FOV = 96°-36°	14fps	•			•	•	•	•	•	•	•
				9-22mm, 1/2.5", F1.6, Telephoto, H-FOV = 38°-16°											
AV10225	10MP	3648 x 2752	Color (Non-Binning): 0.42 Lux Color (Binning): 0.21 Lux B/W: 0 Lux, IR Sensitive	4.7-9mm, 1/2.3", F1.5, H-FOV = 78.8°-37°	7fps	•			•	•	•	•	•	•	
				12-22mm, 1/2.3", F2.2, Telephoto, H-FOV = 30°-17°											

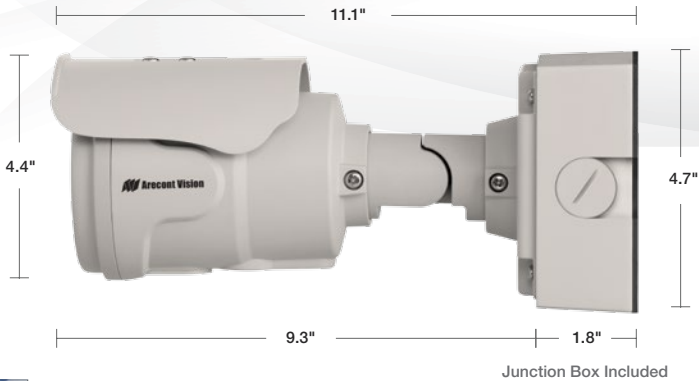
Options

Note: Not all options available on all models.

PMIR	Wide Angle Lens w/ Remote Focus/Zoom, P-Iris, True Day/Night, IR LEDs
PMTIR	Telephoto Lens w/ Remote Focus/Zoom, P-Iris, True Day/Night, IR LEDs
-S	SDHC Card Slot, CorridorView™ w/ 90° Image Flip, Non-Integer Scaling
-A	Audio

(Example: AV5225PMIR-SA)

Configurations



Accessories

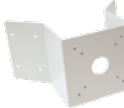
AV-EBA
Electrical Box Adapter



AV-PMA
Pole Mount Adapter



AV-CRMA
Corner Mount Adapter



Global Sales and Support

Arecont Vision is the leading manufacturer of high-performance megapixel IP cameras and associated software.

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