

MegaView® 2 Megapixel IP Cameras

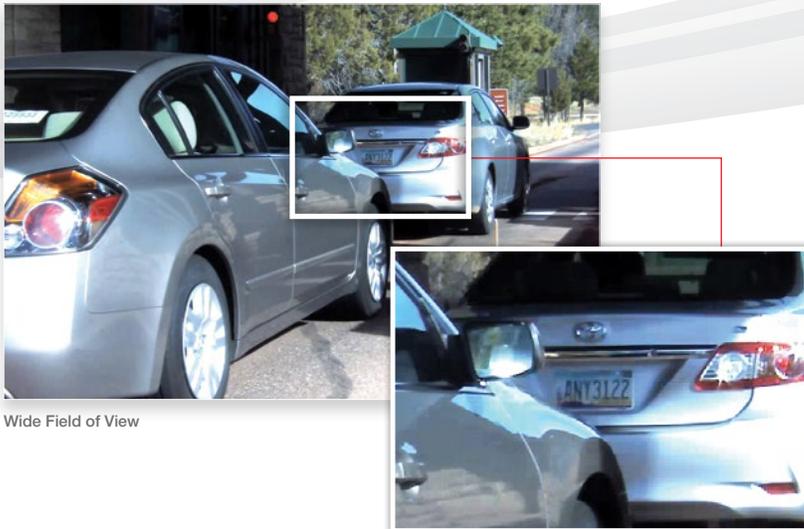
1.2–10MP H.264 All-in-One Motorized P-Iris Lens Day/Night IR Indoor/Outdoor Bullet-Style IP Cameras with Optional Wide Dynamic Range (WDR) and STELLAR™ Low Light Models



Telephoto Lens

Wide Angle Lens

Junction Box Included



Wide Field of View

Telephoto Field of View

All-in-One Solutions – MegaView® 2

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 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, tamper-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



Wide Dynamic Range Available on AV2226 AV3226 Models

10₈₀MP

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



STELLAR™ Low Light Technology on 1.2MP Models



Wide Angle or Telephoto Lens Option



IR LEDs



Weather Resistant IP66 Rated



True Day/Night with IR Cut Filter



All-in-One Bullet-Style Solution



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



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



SDHC Card Slot (-S Models)



Dual Encoder H.264/MJPEG



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



Audio Input/Output (-A Models)

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Highlighted Features:

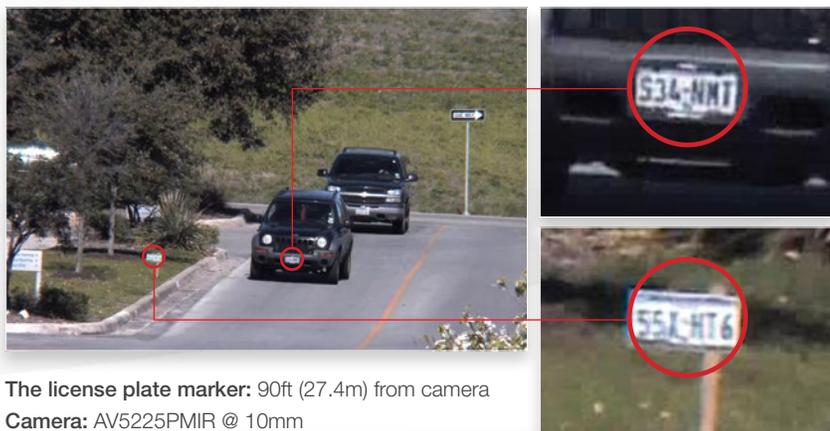
- Remote Focus/Zoom Motorized P-Iris Lens
- P-Iris Control to Get Best Depth of Field and Image Clarity
- Wide Angle or Telephoto Lens Options
- Optional True WDR up to 100dB at Full Resolution Available on Some 1080p and 3MP Models: See Clearly in Shaded and Bright Light Conditions Simultaneously
- STELLAR™ Low Light Technology Reduces Motion Blur, Noise and Storage Requirements, While Enhancing Contrast and Allowing Color Imaging in Near Complete Darkness on 1.2MP Models
- 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
- Dual Encoder H.264/MJPEG
- Privacy Mask, Motion Detection, Flexible Cropping, Bit Rate Control, Multi-Streaming, Forensic Zooming and Non-Integer Scaling
- Fast Frame Rates
- SDHC Card Slot for Onboard Storage (-S Models)
- Total PoE Solution (No External Power Required for IR LEDs)
- Outdoor Rated IP66 and Tamper-Resistant Housing
- PoE and Auxiliary Power: 12–48V DC/24V AC
- Easily Adjustable 3-Axis Wall Mount, Junction Box Included
- Optional Audio
- PSIA Conformant
- User-Friendly Web Interface
- Made in the USA



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.



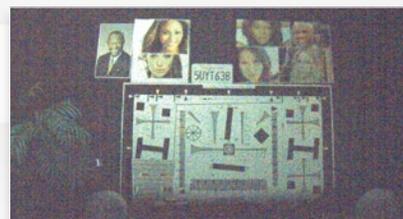
The license plate marker: 90ft (27.4m) from camera
Camera: AV5225PMIR @ 10mm
Pixel density archived: 50PPF (164PPM)

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

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, 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 WDR	12–22mm

IR Illuminator Specifications

IR Illuminator Key Specs	
IR LEDs	48 pcs
IR Wavelength	850nm
IR Distance	25m
IR Angle	50°

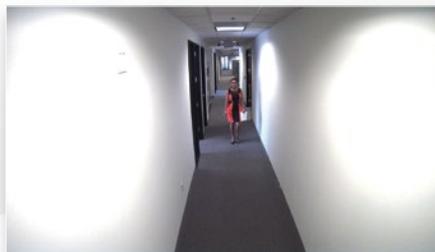


Total PoE Solution

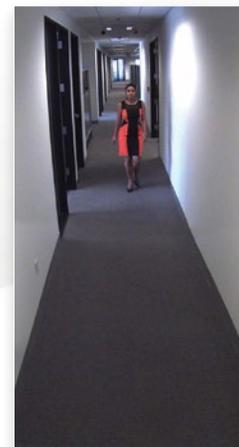
No external power is needed for the IR LED ring.

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™



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.

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

H.264 Decompression (example)



2MP with live video in MJPEG

2MP with live video in H.264



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Product Comparison

Model	Resolution		Minimum Illumination	Lens	Max Frame Rate @ Full Resolution	Day/Night	WDR	Binning Mode	Remote Focus/Zoom	IR LEDs	Audio Option	P-Iris Lens	Telephoto Lens Option	SDHC Card	STELLAR™
AV1225	1.2MP	1280 x 960	Color: 0.02 Lux B/W: 0.002 Lux, 0 Lux, IR Sensitive	3-9mm, F1.2, RZ, RF, P-Iris, H-FOV = 92°-31°	42fps	•			•	•		•		•	•
AV2225	1080p	1920 x 1080	Color: 0.1 Lux B/W: 0 Lux, IR Sensitive	3-9mm, 1/2.7", F1.2, RZ, RF, P-Iris, H-FOV = 115°-37°	31fps	•			•	•		•		•	
				8-22mm, 1/2.7", F1.6, RZ, RF, P-Iris, Telephoto, H-FOV = 42°-16°											
AV2226	1080p	1920 x 1080	Color: 0.3 Lux B/W: 0 Lux, IR Sensitive	3-9mm, 1/2.7", F1.2, RZ, RF, P-Iris, H-FOV = 82°-27°	30fps	•	•		•	•		•		•	
				8-22mm, 1/2.7", F1.6, RZ, RF, P-Iris, Telephoto, H-FOV = 30°-12°											
AV3225	3MP	2048 x 1536	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, RZ, RF, P-Iris, H-FOV = 76°-28°	21fps	•			•	•		•		•	
				8-22mm, 1/2.7", F1.6, RZ, RF, P-Iris, 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, RZ, RF, P-Iris, H-FOV = 87°-29°	21fps	•	•		•	•		•		•	
				8-22mm, 1/2.7", F1.6, RZ, RF, P-Iris, 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, RZ, RF, P-Iris, H-FOV = 96°-36°	14fps	•			•	•		•		•	
				9-22mm, 1/2.5", F2.0, RZ, RF, P-Iris, 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, RZ, RF, P-Iris, H-FOV = 78.8°-37°	7fps	•			•	•		•		•	
				12-22mm, 1/2.3", F2.2, RZ, RF, P-Iris, Telephoto, H-FOV = 30°-17°											

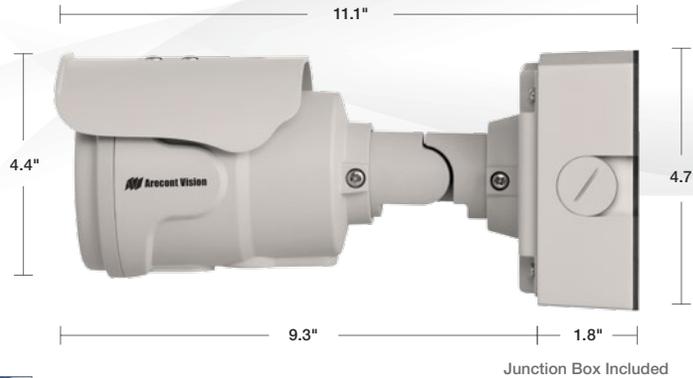
Options

Note: Not all options available on all models.

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

(Example: AV5225PMTIR-A)

Configurations



Accessories

SV-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. All Arecont Vision cameras are made in the USA.

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