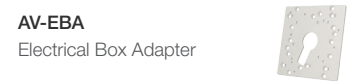
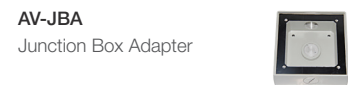


Configurations

*All dome models can be configured with or without a dome bubble



Accessories



MegaBall® Series IP Megapixel Cameras

1.3–5MP H.264 All-in-One Motorized P-Iris Lens or Manual Lens True Day/Night Indoor IP Cameras with WDR (Wide Dynamic Range) Models or 5MP H.264 All-in-One Manual Panomorph Lens True Day/Night Indoor IP Cameras



All-in-One Solutions – MegaBall® and MegaBall® 2 with Adjustable Wall Mount or Recessed and Surface Mount Dome

Stylish MegaBall® multi-megapixel cameras provide ample resolution to zoom-in for details in live or recorded video. These indoor all-in-one solutions integrate a 1.3, 1080p, 3 or 5-megapixel camera with fast frame rates and a choice of a 3.3–10mm vari-focal manual lens or a remote focus/zoom P-iris lens with an adjustable wall mount or flush and surface mount dome housing. An optional ImmerVision Enables® panomorph system offers 180° and 360° views. H.264 compression reduces network bandwidth and storage requirements while delivering full frame rates and full resolution without sacrificing image quality. True Day/Night functionality allows for 24-hour surveillance. WDR (Wide Dynamic Range) up to 100dB at full resolution balances light and dark areas in the same scene (1080p and 3MP). Binning mode for increased low light sensitivity is available for 3MP and 5MP cameras.



Image from a 5MP MegaBall® camera

Features Included:

- Remote Focus/Zoom P-Iris Lens (PM Models)
- P-Iris Control to Get Best Depth of Field and Image Clarity (PM 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
- Integrated ImmerVision Enables® Panomorph Solution for 180° and 360° Field of View (DN-01 Models)
- Casino Mode™ Maintains Continuous 30fps Frame Rate Required by Gaming Industry Regulations (AV2145 and AV2245 Models)
- Binning Mode for Strong Low Light Performance on 3MP and 5MP Resolutions
- True Day/Night Functionality with Mechanical IR Cut Filter (DN Models)
- Tamper-Resistant Housing
- Integrated Microphone and Audio Out (-A Models Only)
- Installer Friendly Cable Management, 3-Axis Adjustment, In-Ceiling and Surface Mount Dome
- 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
- ONVIF Profile S and PSIA Conformant



Global Sales and Support

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

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Wide Field of View

Telephoto Field of View

Forensic Zooming

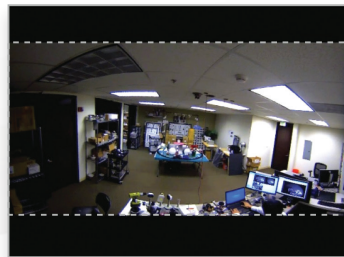
Arecont Vision MegaBall® megapixel cameras deliver outstanding resolution to capture significant detail whether viewing live or recorded/archived video. With the ability to digitally Pan-Tilt-Zoom (PTZ) images, you can view the details you need to see at any time, such as license plates, faces and other objects of interest. The superior resolution of MegaBall® megapixel cameras along with their varying fields of view allows them to do the work of multiple conventional cameras and provide critical forensic information—all without the need and associated expense of system operators having to “catch” activities of interest as they occur.

Panomorph Lens Option

MegaBall® 2 offers an optional close proximity panoramic view through the use of an ImmerVision Enables® panomorph lens and software system. Available with a 5MP sensor, the elliptical panomorph image is dewarped to provide 180° or 360° views with impressive resolution. In comparison, images from fisheye lenses lose more resolution when dewarped. MegaBall® 2 with the panomorph system is an alternative to Arecont Vision SurroundVideo® 180° and 360° models when the camera will be mounted close to the subject.



Original Fisheye Panomorph Image



Dewarped Panomorph Image

MegaDynamic® Wide Dynamic Range (WDR)



Megapixel image without WDR



Megapixel image with WDR

Users can achieve clear images in extreme lighting conditions with MegaBall® 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.

User-Friendly Web Interface: Focus, Zoom, P-Iris Control

For easy installation, remote focus and remote zoom can be done through the camera webpage (MegaBall® 2). Just click “short range focus” or “full range focus” to get a clear image through the dome bubble. The added P-iris functionality provides better depth of field in varying lighting conditions.

Additional Benefits Include:

- Fine tuning for a better image after installation
- Quicker installation for lower total cost of ownership (TCO)
- P-iris is designed to provide the maximum depth of field in any lighting condition to ensure the best possible image quality



Enhanced Low Light Performance



Day Mode



Night Mode

As part of their superior True Day/Night operation, MegaBall® cameras include low light enhancing technology such as pixel binning and adaptive noise-cancellation.

Product Comparison

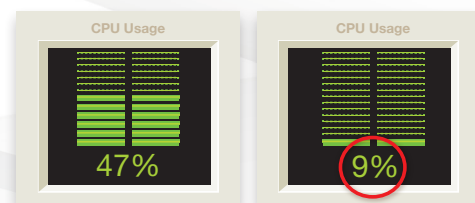
Series	Model	Sensor	Full Resolution	Max Frame Rate @ Full Resolution	Minimum Illumination	Lens	True Day/Night	WDR	Audio Option	Motorized P-Iris Lens	Panomorph Lens	Binning Mode	Casino Mode™
MegaBall® 2	AV2245	1080p	1920 x 1080	31fps	Color: 0.1 Lux B/W: 0 Lux, IR Sensitive	3–10mm, 1/2.7", F1.3, RZ, RF, P-iris, H-FOV = 117°–36°	•			•			•
	AV2246	1080p	1920 x 1080	30fps	Color: 0.3 Lux B/W: 0 Lux, IR Sensitive	3–10mm, 1/2.7", F1.3, RZ, RF, P-iris, H-FOV = 81°–26°	•	•		•			
	AV3245	3MP	2048 x 1536	21fps	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	3.4–10mm, 1/2.5", F1.4, RZ, RF, P-iris, H-FOV = 81°–28°	•			•		•	
	AV3246	3MP	2048 x 1536	21fps	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	3–10mm, 1/2.7", F1.3, RZ, RF, P-iris, H-FOV = 86°–28°	•	•		•		•	
	AV5245	5MP	2592 x 1944	14fps	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	3.4–10mm, 1/2.5", F1.4, RZ, RF, P-iris, H-FOV = 102°–35° 0.98mm (Short Axis), 1.12mm (Long Axis) F2.0, H-FOV = 182°	•		•	•		•	
MegaBall®	AV1145	1.3MP	1280 x 1024	42fps	Color: 0.1 Lux B/W: 0 Lux, IR Sensitive	3.3–10mm, 1/2.5", F1.6, H-FOV = 61°–21°	•						
	AV2145	1080p	1920 x 1080	31fps	Color: 0.1 Lux B/W: 0 Lux, IR Sensitive	3.3–10mm, 1/2.5", F1.6, H-FOV = 90°–31°	•		•				•
	AV2146	1080p	1920 x 1080	30fps	Color: 0.1 Lux B/W: 0 Lux, IR Sensitive	3.3–10mm, 1/2.5", F1.6, H-FOV = 73°–26°	•	•					
	AV3145	3MP	2048 x 1536	21fps	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	3.3–10mm, 1/2.5", F1.6, H-FOV = 75°–25°	•					•	
	AV3146	3MP	2048 x 1536	21fps	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	3.3–10mm, 1/2.5", F1.6, H-FOV = 78°–28°	•	•	•				
	AV5145	5MP	2592 x 1944	14fps	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	3.3–10mm, 1/2.5", F1.6, H-FOV = 95°–32°	•		•	•			•



Wall Mount

Ease of Installation

MegaBall®'s unique bracket design encloses all cables, providing better protection from tampering and a more professional installation. The P-iris, remote focus/zoom lens of MegaBall® 2 allows installers to remotely configure the camera.



2MP with live video in MJPEG

2MP with live video in H.264

Compliant H.264 Compression

MegaBall®'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.

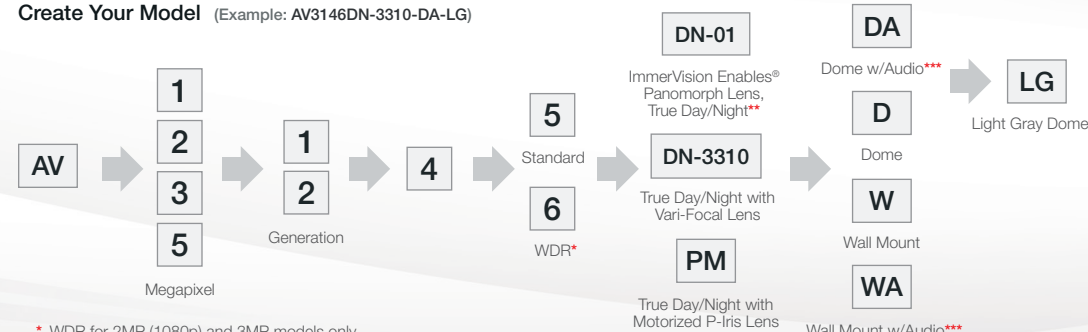


Flush Mount with Audio

Audio Out with Integrated Microphone

An integrated microphone on some MegaBall® and MegaBall® 2 Panomorph models eliminates the need to install separate audio connectors on site and may be disabled.

Create Your Model (Example: AV3146DN-3310-DA-LG)



* WDR for 2MP (1080p) and 3MP models only
 ** Panomorph only available at 5MP
 *** Audio only available in some first generation MegaBall® configurations and MegaBall® 2 Panomorph
 **** Light gray color only available for dome models. Models without "LG" come standard in black

Build-to-Order Options

DN-01	ImmerVision Enables® Panomorph Lens, True Day/Night
DN-3310	Vari-Focal Lens with True Day/Night
PM	Motorized Remote Focus/Zoom P-Iris Lens with True Day/Night
-W	Wall Mount Model
-D	Surface/Flush Dome Model
A	Audio OUT + Integrated Microphone
LG	Light Gray Dome Housing