

MicroDome® IP Megapixel Cameras

1.3–5MP H.264 All-in-One Ultra Low Profile True Day/Night Indoor or Indoor/Outdoor Dome IP Cameras with WDR (Wide Dynamic Range) Models



Flush Mount

Surface Mount



Image from a 5MP MicroDome camera



Zoom-In Detail

Low Profile All-in-One Dome Cameras with Integrated Lens, Audio and Optional WDR

Arecont Vision MicroDome small, ultra low profile IP megapixel cameras offer our great megapixel technology features like superior image quality, excellent compression and fast frame rates. MicroDome is available in both flush and surface mount configurations. An innovative spring arm design makes recessed installation a snap: simply slide the camera through the hole and

secure the magnetized cover ring with a single screw. Excellent low light performance is accomplished through the use of a mechanical day/night switcher on all MicroDome cameras, and by choosing pixel binning on 3- and 5-megapixel models. Add optional true Wide Dynamic Range (WDR) and difficult lighting conditions are overcome with MicroDome.



Ultra Low Profile Design



All-in-One PoE and Integrated Lens



True Day/Night with Mechanical IR Cut Filter



Integrated Microphone (-F Models)



Impact / Weather Resistant IK-10 and IP66 Rated (-S Models)



Pixel Binning Mode on 3 and 5MP Models



Wide Dynamic Range Available on AV2456 and AV3456 Models



Casino Mode™ Maintains at Least 30fps on AV2455 Models



Dual Encoder H.264/MJPEG

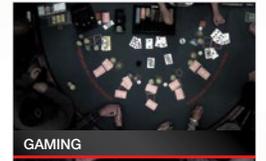


Highlighted Features:

- 1.3–5MP Models
- Ultra Low Profile Design / Small Size
- Very Easy Installation / Factory Focused
- Multiple Lens Options Available (Sold Separately)
- Integrated Microphone (-F 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 (DN Models)
- Binning Mode for Strong Low Light Performance on 3MP and 5MP Cameras
- Casino Mode™ Guarantees Continuous 30fps Frame Rate Required by Gaming Industry Regulations (AV2455 Models)
- Privacy Mask, Motion Detection, Flexible Cropping, Bit Rate Control, Multi-Streaming and Forensic Zooming
- Dual Encoder H.264/MJPEG
- All-in-One H.264 Total Power Over Ethernet (PoE) Solution with Integrated 4mm Lens or No Lens (-NL Models) Allowing the User to Select the Appropriate Lens for the Specific Application
- Outdoor Rated IP66 and IK-10 Impact-Resistant Housing (-S Models)
- Tamper-Resistant Housing
- Fast Frame Rates
- ONVIF Profile S and PSIA Conformant
- New User-Friendly Webpage
- Reduced Overall System Cost
- Made in the USA

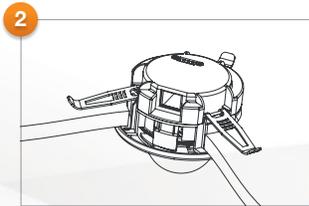
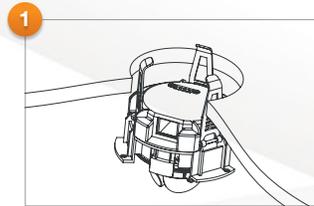
Ultra Low Profile

The flush mount MicroDome measures a mere 1.5" from the ceiling (2.6" for surface mount models) and is only 4" wide, offering video surveillance solutions for locations that require a small camera appearance with true Day/Night functionality. MicroDome is ideal for retail stores, schools, banks and office locations.



Easy Installation with MicroDome Flush Mount

MicroDome incorporates an innovative spring arm design meant for simple installation into drop ceilings with no external hardware required. Simply cut a hole in the ceiling and the MicroDome pops into place, securing itself with no fasteners to contend with. The MicroDome is a total Power over Ethernet (PoE) solution eliminating the need for separate power cables.



Integrated Microphone

The flush mount MicroDome has an integrated microphone, eliminating the need to install separate audio connectors on site. (Can be disabled.)



Outdoor-Ready and Vandal-Resistant with MicroDome Surface Mount

Install the MicroDome camera in the surface mount configuration with confidence both indoors and outdoors. Small but tough, the MicroDome Surface Mount camera is IP66 environmentally-rated and IK-10 impact-resistant. The camera can withstand dust and water ingress as well as forceful blows and still stay on duty protecting your environment with detailed megapixel images.

MegaDynamic® Wide Dynamic Range (WDR)

Users can achieve clear images in extreme lighting conditions with MicroDome 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, or the loading dock at a distribution facility or in many retail environments.



Enhanced Low Light Performance



Day Mode



Night Mode

As part of their superior Day/Night operation, MicroDome® cameras include low light enhancing technology such as a mechanical IR (infrared) cut filter, pixel binning and adaptive noise-cancellation.

User-Friendly Web Interface

For easy installation, configuration and ongoing control, MicroDome uses our new user-friendly web interface management system that is loaded with easy to use menus to adjust and fine tune your camera settings. Slider bars and numeric text boxes allow complete control of the following camera features:

- Image Settings
- Video Compression
- H.264 Stream Settings
- Network Options
- Motion Detection
- Privacy Mask Settings
- Administration
- About - Camera Details



Forensic Zooming

Arecont Vision MicroDome 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 the MicroDome megapixel cameras, along with the multiple lens options available as accessories (see lens chart) offer users a variety of fields of view. This makes it possible for the MicroDome 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.



Digital Zoom Field of View



Wide Field of View

Compliant H.264 Compression

MicroDome'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.



2MP with live video in MJPEG

2MP with live video in H.264



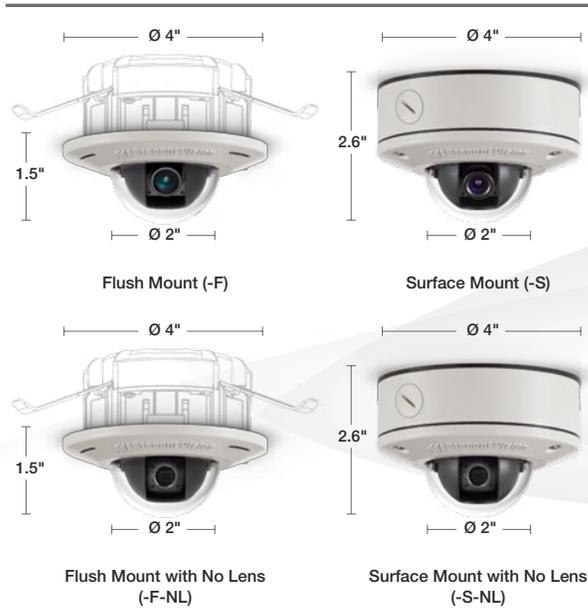
Leading the Way in Megapixel Video™

Product Comparison

Model	Sensor	Full Resolution	Max Frame Rate @ Full Resolution	Minimum Illumination	Lens*	H.264/MJPEG	Day/Night	WDR	Casino Mode™	Binning Mode
AV1455DN	1.3MP	1280 x 1024	42fps	Color: 0.1 Lux B/W: 0 Lux, IR Sensitive	M12, 4mm, 1/2.5", F1.6, Fixed Iris, H-FOV = 53°	•	•			
AV2455DN	1080p	1920 x 1080	31fps	Color: 0.1 Lux B/W: 0 Lux, IR Sensitive	M12, 4mm, 1/2.5", F1.6, Fixed Iris, H-FOV = 81°	•	•		•	
AV2456DN	1080p	1920 x 1080	30fps	Color: 0.3 Lux B/W: 0 Lux, IR Sensitive	M12, 4mm, 1/2.5", F1.6, Fixed Iris, H-FOV = 59°	•	•	•		
AV3455DN	3MP	2048 x 1536	21fps	Color (Non-Binning): 0.3 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	M12, 4mm, 1/2.5", F1.6, Fixed Iris, H-FOV = 63°	•	•			•
AV3456DN	3MP	2048 x 1536	21fps	Color (Non-Binning): 0.5 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	M12, 4mm, 1/2.5", F1.6, Fixed Iris, H-FOV = 63°	•	•	•		•
AV5455DN	5MP	2592 x 1944	14fps	Color (Non-Binning): 0.5 Lux Color (Binning): 0.15 Lux B/W: 0 Lux, IR Sensitive	M12, 4mm, 1/2.5", F1.6, Fixed Iris, H-FOV = 80°	•	•			•

Configurations

(Example: AV2456DN-F-NL)



Lens Options

Focal Length	2.1mm	2.8mm	4mm	6mm	8mm	12mm	16mm
F Stop	F1.8	F1.8	F1.6	F1.6	F1.6	F1.6	F1.6
Horiz. FOV	1.3MP	-	75°	53°	36°	28°	18°
	1080p	113.1°	114°	81°	56°	42°	28°
	1080p WDR	113.1°	83°	59°	40°	30°	20°
	3MP	121.4°	89°	63°	43°	33°	22°
	3MP WDR	121.4°	89°	63°	43°	33°	22°
5MP	-	113°	80°	55°	40°	28°	20°
Option	Ordered Separately	Ordered Separately	Standard*	Ordered Separately	Ordered Separately	Ordered Separately	Ordered Separately
Part Number	MPM2.1	MPM2.8	MPM4.0	MPM6.0	MPM8.0	MPM12.0	MPM16.0

Accessories

MCD-PMT**
Pendant Mount Adapter



MCD-WMT**
Wall Mount Adapter



* Except for -NL Models
** For surface models only



Global Sales and Support

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

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