

Configurations



Lens Options

Focal Length		2.8mm	4mm	6mm	8mm	12mm	16mm
Horizontal FOV	1.3MP	57	42	28	21	14	11
	1080p	106	79	52	39	26	20
	1080p WDR	83	59	42	31	19	15
	3MP	90	66	46	34	23	17
	3MP WDR	88	63	45	33	20	16
	5MP	114	83	58	43	29	22
Option		Ordered Separately	Standard	Ordered Separately	Ordered Separately	Ordered Separately	Ordered Separately

Product Comparison

Model	Sensor	Full Resolution	Max Frame Rate @ Full Resolution	Minimum Illumination	H.264/MJPEG	Day/Night	WDR	Casino Mode™	Binning Mode
AV1455DN-F	1.3MP	1280 x 1024	42fps	Color: 0.1 Lux @ F1.2 Day/Night: 0 Lux, IR Sensitive	•	•			
AV2455DN-F	1080p	1920 x 1080	31fps	Color: 0.1 Lux @ F1.2 Day/Night: 0 Lux, IR Sensitive	•	•		•	
AV2456DN-F	1080p	1920 x 1080	30fps	Color: 0.1 Lux @ F1.2 Day/Night: 0 Lux, IR Sensitive	•	•	•		
AV2456DN-F	3MP	2048 x 1536	21fps	Color (Non-Binning): 0.3 Lux @ F1.8 Color (Binning): 0.15 Lux @ F1.8	•	•			•
AV3456DN-F	3MP	2048 x 1536	21fps	Color (Non-Binning): 0.3 Lux @ F1.8 Color (Binning): 0.15 Lux @ F1.8	•	•	•		•
AV5455DN-F	5MP	2592 x 1944	14fps	Color (Non-Binning): 0.3 Lux @ F1.8 Color (Binning): 0.15 Lux @ F1.8	•	•			•



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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MicroDome™ Megapixel IP Cameras

H.264 Ultra Low Profile Recessed Mount Day/Night IP Camera



Recessed Dome Mount

Image from a 5MP MicroDome™ camera

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

Arecont Vision introduces MicroDome™ megapixel IP cameras. These small, ultra low profile cameras offer the great features of Arecont Vision megapixel technology like superior image quality, excellent compression and fast frame rates. An innovative spring arm design makes installation a snap: simply slide the camera through the hole and secure the magnetized cover ring with a single screw. Every model comes equipped with a mechanical day/night switcher, and pixel binning on 3- and 5-megapixel models deliver excellent low-light capabilities. Add optional true Wide Dynamic Range (WDR) and difficult lighting conditions are overcome with MicroDome™.



Ultra Low Profile Design



True Day/Night with Mechanical IR Cut Filter



All-in-One PoE and Integrated Lens



Integrated Microphone



Pixel Binning Mode Available on 3 and 5MP Models



Wide Dynamic Range Available on Some 1080p and 3MP Models



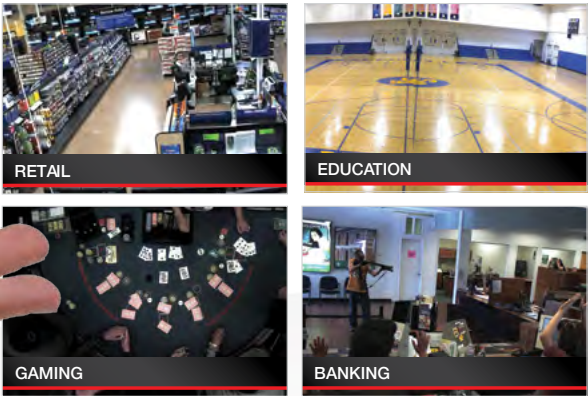
Dual Encoder H.264/MJPEG



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

Ultra Low Profile

The MicroDome™ measures a mere 1.5" from the ceiling 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.

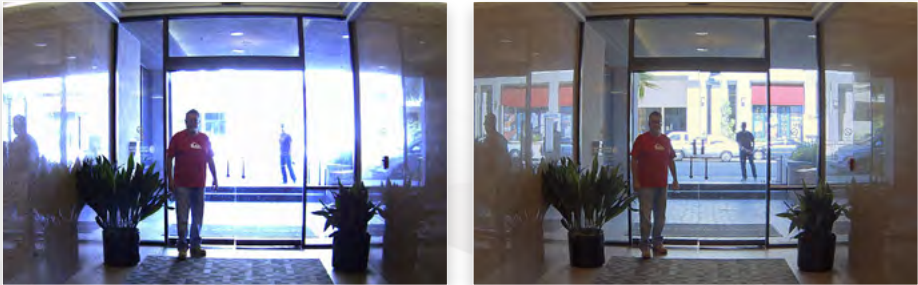


Easy Installation

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.



MicroDome™ with Wide Dynamic Range (WDR)



Megapixel image without WDR Megapixel image with WDR

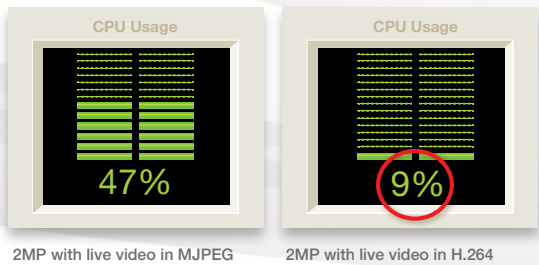


Users can achieve clear images in extreme lighting conditions with MicroDome™ WDR cameras in resolutions of 1080p and 3MP. Wide Dynamic Range up to 100dB at full resolution balances light and dark areas in the same scene, such as in the lobby of an office building or the loading dock at a distribution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

Compliant H.264 Compression

- MicroDome™'s compliant implementation of H.264 allows full frame rates and full resolution without sacrificing image quality
- H.264 and MJPEG dual compression support with simultaneous streaming
- Decreases the CPU load both at the client (decompression) side and the server/storage side
- Lower bandwidth and storage relative to MJPEG
- Bit rate control to maintain desired bandwidth and storage size
- Real Time Streaming Protocol (RTSP) allows for compatibility with media players such as Apple QuickTime®, VLC and others

H.264 Decompression (example)



Enhanced Low Light Performance



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.

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

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



Other Features

- x8 Multi-Streaming**
8 Non-Identical Streams
- Privacy Masking**
Privacy Masking for Multiple Regions

- Motion Detection**
1024-Zone Motion Detection

- Flexible Cropping**
Windowing Down to 1x1 Pixels for JPEG and 2x2 Pixels for H.264

- Bit Rate Control**
Bandwidth Limiting

- Reduced System Cost**
Overall Reduced Total Cost of Ownership