MegaDynamic® Megapixel IP Cameras

True Wide Dynamic Range: The Perfect Balance of Bright and Dark

MicroDome®
SurroundVideo®
MegaDome® 2
MegaBall® / MegaBall® 2
MegaVideo® Compact
MegaView® 2

A Full Family of Wide Dynamic Range (WDR) Megapixel IP Cameras

Arecont Vision® megapixel technology delivers superior image quality and reduces overall system costs by covering larger areas with fewer cameras. Now, our industry-leading multi-megapixel cameras offer the added benefit of true wide dynamic range (WDR) performance at full resolution and without lowering frame rates. By combining long and short exposures in the same field-of-view, WDR maximizes the amount of detail in both bright and dark areas of a scene.

Arecont Vision WDR cameras are available in resolutions of 1080p, 3-megapixels and 12-megapixel panoramic. Our WDR technology delivers a dynamic range of up to 100dB. The WDR performance of Arecont Vision cameras represents an up to 50dB improvement (300x) in dynamic range compared to non-WDR cameras. WDR models are available in six camera series.
What is Wide Dynamic Range?

Arecont Vision® wide dynamic range technology is designed for high contrast surveillance applications that require high resolution, low bandwidth images at an affordable price point. Non-WDR megapixel cameras provide a wide range up to 70dB. In surveillance applications such as a building lobby with large windows or on a loading dock with bright sunlight shining through the open doors, cameras will typically be adjusted for either the bright or dark areas of the scene. By widening the dynamic range to 100dB with technology that maximizes both the bright and dark areas in the field-of-view, Arecont Vision WDR cameras deliver clear images of the entire scene.

SurroundVideo® WDR

The 12MP SurroundVideo® WDR 180° and 360° panoramic cameras (AV12186DN and AV12366DN) provide a wide field-of-view with ample resolution to zoom-in for details in live or recorded video. SurroundVideo® delivers the fastest frame rates in the industry and integrates four sensors with IR corrected lenses into an IP66 environmental rated/IK-10 impact-resistant dome housing (the size of our single-sensor MegaDome® 2 cameras). Includes an adjustable 2-axis gimbal with 360° pan and 90° tilt. Choose PoE (Power over Ethernet) or auxiliary power: 12–48V DC/24V AC. Additional features include 1024-zone motion detection and flexible privacy masking.

MicroDome® WDR

Arecont Vision introduces MicroDome® WDR IP megapixel cameras. These ultra low-profile solutions integrate a 1080p or 3-megapixel camera with the fastest frame rates in the industry. 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. Every model comes equipped with a mechanical day/night switcher. Pixel binning on 3-megapixel models further delivers excellent low light capabilities. Choose PoE (Power over Ethernet) or auxiliary power: 12–48V DC/24V AC.

MegaDynamic® Megapixel IP Cameras

Made in the USA
The stylish MegaBall® WDR multi-megapixel cameras deliver high-resolution images to capture forensic detail in recorded and live video. These indoor all-in-one solutions integrate a 1080p or 3-megapixel camera with the fastest frame rates in the industry and a choice of a P-iris motorized lens with remote focus and zoom or an IR corrected 3.3–10mm vari-focal lens, with an adjustable wall mount or flush and surface mount dome housing. Pixel binning on 3-megapixel models deliver excellent low light capabilities. Additional features include 1024-zone motion detection and flexible privacy masking. Choose PoE (Power over Ethernet) or auxiliary power: 12–48V DC/24V AC.

MegaDome® 2 WDR

Clear, sharp images and forensic zooming from live and recorded video are key benefits of MegaDome® 2 multi-megapixel WDR cameras. Remote Focus and Remote Zoom make MegaDome® 2 easy to install. These indoor/outdoor all-in-one solutions integrate a 1080p or 3-megapixel camera with the fastest frame rates in the industry and an IR corrected motorized 3–9mm or 8–22mm vari-focal P-iris lens into an IP66 environmental rated/IK-10 impact-resistant dome housing. Pixel binning on 3-megapixel models delivers excellent low light capabilities. An easily adjustable 3-axis gimbal with 360° pan, 90° tilt and 360° Z-axis further simplifies installation. Choose PoE (Power over Ethernet) or auxiliary power: 12–48V DC/24V AC. Additional features include 1024-zone motion detection and flexible privacy masking.

MegaDome® 2 Highlighted Features:
- All-in-One H.264 Dome Solution with Wide Angle and Telephoto Motorized Lens Options
- Remote Focus/Zoom P-Iris Lens
- P-Iris Control to Get the Best Depth of Field and Image Clarity (PM Models)
- Wide Angle or Telephoto Lens Options
- Wide Dynamic Range up to 100dB at Full Resolution
- Outdoor Rated IP66 and IK-10 Impact-Resistant Housing

MegaView® 2 WDR

MegaView® 2 WDR 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 1080p or 3-megapixel camera with the fastest frame rates in the industry and an IR corrected motorized 3–9mm vari-focal 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. Pixel binning on 3-megapixel models delivers excellent low light capabilities. Choose PoE (Power over Ethernet) or auxiliary power: 12–48V DC/24V AC.

MegaView® 2 Highlighted Features:
- All-in-One H.264 Bullet-Style Solution with Wide Angle and Telephoto Motorized Lens Options and IR LEDs
- Remote Focus/Zoom P-Iris Lens
- P-Iris Control to Get Best Depth of Field and Image Clarity
- Wide Dynamic Range up to 100dB at Full Resolution
- Outdoor Rated IP66 and Tamper-Resistant Housing
MegaDynamic® Megapixel IP Cameras

WDR Megapixel IP Camera Models

**SurroundVideo® WDR**
- AV2116DN
- AV2366DN

**MegaBall® WDR / MegaBall® 2 WDR**
- AV2146DN-3310-W
- AV2146DN-3310-D
- AV2146DN-3310-D-LG
- AV3146DN-3310-W
- AV3146DN-3310-WA
- AV3146DN-3310-D
- AV3146DN-3310-DA
- AV3146DN-3310-D-LG
- AV3146DN-3310-DA-LG

**MicroDome® WDR**
- AV2456DN-F
- AV2456DN-S
- AV2456DN-F
- AV2456DN-S

**MegaDome® 2 WDR**
- AV2256DN
- AV2256DNIR
- AV2256PM
- AV2256PMIR
- AV2256PMTIR
- AV3256DN
- AV3256DNIR
- AV3256PM
- AV3256PMIR
- AV3256PMTIR

**MegaView® 2 WDR**
- AV2256PMIR
- AV3256PMIR-A
- AV3256PMTIR
- AV3256PMTIR-A

**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.

**North America**
- Los Angeles, USA
  - Arecont Vision, LLC, Headquarters
  - 425 E. Colorado St., 7th Floor
  - Glendale, CA 91205, USA
  - Phone: +1.818.937.0700
  - Toll Free: 877.CAMERA.8
  - Fax: +1.818.937.0464
- Sales
  - Phone: +1.818.937.0700 x 3
  - Email: avsales@arecontvision.com
- Support
  - Phone: +1.818.937.0700 x 1
  - Email: support@arecontvision.com

**South America**
- Latin America
  - Email: latin.sales@arecontvision.com

**EMEA**
- Frankfurt, Germany
  - Arecont Vision Europe GmbH
  - Lyoner Straße 38, 6th Floor
  - 60528 Frankfurt, Germany
  - Phone: +49.69.6953.4000
  - Email: europe.sales@arecontvision.com

**Middle East**
- Email: mea.sales@arecontvision.com

**APAC**
- Shanghai, China
  - Resident Representative Office of Arecont Vision, LLC
  - Taixin Road No. 18, Building A
  - World Plaza, Room #1603
  - Pudong New District, Shanghai, 200135
  - Phone: +86.21.6176.2596
  - Alt. Phone: +86.21.6176.2597
  - Fax: +86.21.6085.2520
  - Email: apac.sales@arecontvision.com

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