SurroundVideo® IP Megapixel Dome Cameras

Configuration

SurroundVideo® (8MP, 20MP and 40MP Models)

Surface Mount
In-Ceiling Mount

SurroundVideo WDR (12MP Models)

Surface Mount

Accessories (Sold Separately)

AV-CMA
Corner Mount Adapter

AV-EDA
Electrical Box Adapter Plate for 8-WMT, 20-WMT, 40-WMT, MicroDome® and MegaView®

AV-JBA
Junction Box Adapter for HSG2-WMT, 40-WMT. Replacement Part for: MegaView® 2, AV-FMJB, AV-WMJB

AV-PMA
Pole Mount Adapter

AV-PMB
Surface Mount Bracket with Junction Box (Mount Cap not included) for SurroundVideo Dome Series – 1.5” NPT Male

AV-WMJB
Wall Mount Bracket with Junction Box (Mount Cap not included) for SurroundVideo Dome Series – 1.5” NPT Female

SV-CAP
Cap only for 8MP, 12MP and 40MP Panoramic SurroundView Models – 1.5” NPT Male

SV-FMA
False Ceiling Flush Mount Series – 1.5” NPT Female

SV-WMT
Wall Mount Bracket with Junction Box (Mount Cap not included) for SurroundVideo Dome Series – 1.5” NPT Female

SV-WMT2
Wall Mount Bracket with Junction Box (Mount Cap not included) for SurroundVideo Dome Series – 1.5” NPT Female

SV-WMT3
Wall Mount Bracket with Junction Box (Mount Cap not included) for SurroundVideo Dome Series – 1.5” NPT Female

Global Sales and Support

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

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Leading the Way in Megapixel Video™

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Printed in USA

180° and 360° Panoramic Coverage with Exceptional Resolution – SurroundVideo

SurroundVideo panoramic view IP megapixel cameras provide all-in-one solutions for wide area video surveillance. Four sensors and lenses are housed in a impact-resistant IP66 dome enclosure. The cameras are available in 180° and 360° configurations and resolutions of 8-, 12-WDR, 20- and 40-megapixels (MP). A single SurroundVideo panoramic camera can replace multiple conventional cameras with the ability to zoom into multiple regions of interest.

Highlighted Features:

• Industry’s First 8MP, 12MP, 20MP and 40MP Panoramic Megapixel Camera
• Optional True WDR up to 100dB at Full Resolution Available on 12MP Models: See Clearly in Shaded and Bright Light Conditions Simultaneously
• Forensic Zooming – Zoom Live or After the Event While Recording Full Field of View in H.264 – Replace PTZ Devices
• Binning Mode for Strong Low Light Performance in 12MP, 20MP and 40MP Models
• Bi Rate Control and Multi-Streaming
• True Day/Night Functionality with Mechanical IR Cut Filter
• Outdoor Rated IP65 and IK-10 Impact-Resistant Housing
• Total PoE Solution (WDR Models)

• PoE and Auxiliary Power: 12–48V DC/24V AC
• Easily Adjustable 2-Axis Camera Gimbal with 360° Pan and 30° Tilt
• +/- 5° Electrical Vertical Alignment to Locate Each Sensor Position (180° Series)
• +/- 10° (+/- 5° WDR) Mechanical Tilt Adjustment to Locate Each Sensor Angle (360° Series)
• Complete Mounting Options
• Dual Encoder H.264/MJPEG
• Privacy Mask, Motion Detection and Flexible Cropping
• Fast Frame Rates
• ONVIF Profile S Conformant

360° Panoramic
180° Panoramic

8MP Models
12MP Models
20MP Models
40MP Models

180° Panoramic
360° Panoramic

True Day/Night with IR Cut Filter

48 In One Dome Solution with Integrated Lenses

Impact / Weather Resistant
IK-10 and IP66 Rated

Wide Dynamic Range (12MP Models)

Heater/Blower (12MP, 16MP, 20MP Models)

Dual Encoder H.264/MJPEG

Surrounded image from an 8MP SurroundVideo 180° camera in a financial services environment

Made in USA
+1.818.937.0700 | 877.CAMERA.8 | www.arecontvision.com | avsales@arecontvision.com

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Higher Resolution up to 40 Megapixels + Panoramic Field of View = Greater ROI

Arecont Vision megapixel technology delivers superior image quality and reduces overall system costs by covering larger areas with fewer cameras. An area typically requiring multiple pan-tilt-zoom (PTZ) cameras or multiple fixed cameras can be covered with a single SurroundVideo® panoramic camera. The cameras deliver comprehensive coverage and forensic detail, all without the need for an operator to direct them or the preparedness to be facing the wrong way when an incident occurs. Highly cost-efficient solutions, SurroundVideo® panoramic cameras virtually obsolesce the need for related expense of PTZ cameras.

Stitched image from a SurroundVideo® camera in a banking environment

Stitched image from a SurroundVideo® camera in a retail environment

Compact 180° and 360° MegaDynamic® Wide Dynamic Range (WDR)

Less than half the size of other SurroundVideo models, the 12MP SurroundVideo WDR cameras (AV12186EDN and AV12366EDN) produces clear images in extreme lighting conditions. Our WDR technology delivers a dynamic range of up to 100dB at full resolution and without lowering frame rates, maximizing the amount of detail in both bright and dark areas of a scene. The WDR performance of Arecont Vision cameras represents an up to 50dB improvement (300x) in dynamic range compared to non-WDR cameras.

Privacy Mask

Extended motion detection offers a high granularity grid of 1,024 distinct motion detection zones.

SurroundVideo® IP Megapixel Dome Cameras

IEEE 802.11b/g/n Base Station Approved

H.264 Decompression (example)

Product Comparison

<table>
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<tr>
<th>Model</th>
<th>Panoramic Configuration</th>
<th>Sensor</th>
<th>Resolution</th>
<th>Max Frame Rate @ Full Resolution</th>
<th>Min/Max Illumination</th>
<th>Lens</th>
<th>WDR</th>
<th>MJPEG</th>
<th>True Day/Night</th>
<th>Motion Mode</th>
<th>Heater/Blower Option</th>
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<tbody>
<tr>
<td>AV12185DN</td>
<td>180°</td>
<td>2MP (MJPEG)</td>
<td>640 x 1280</td>
<td>5.2fps</td>
<td>Color: 0.3 Lux, B/W: 0 Lux</td>
<td>CS, 3.5mm, F1.8</td>
<td>5.6</td>
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<td>640 x 1280</td>
<td>5.2fps</td>
<td>Color: 0.3 Lux, B/W: 0 Lux</td>
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<tr>
<td>AV20365DN</td>
<td>360°</td>
<td>8MP (MJPEG)</td>
<td>10240 x 1920</td>
<td>3.5fps</td>
<td>Color (Non-Binning): 0.15 Lux, IR Sensitive</td>
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NOTE: Confirm with your Video Management System / Network Video Recorder Manufacturer regarding how these four sensor cameras will appear in their systems.