MegaVideo® Housings

D4S*
Indoor 4" Surface Mount Dome
3.8" / 4.0" / 4.7"

D4SO*
Outdoor 4" IP66, IK-10, Dome Housing
4.9" / 4.0" / 5.5"

Dome 4-O
Outdoor 4" IP66 Vandal Resistant Dome
4.9" / 4.5" / 6.3"

HSG2
Outdoor IP67 Housing with Heater and Dual Fans
3.7" / 5.3" / 12.6"

D4F*
Indoor 4" In-Ceiling Flush Mount Dome
4.9" / 4.0" / 6.0"

Dome 4-I
Indoor 4" Vandal Resistant Dome
4.9" / 4.5" / 6.3"

Dome 5-I
Indoor 5" Recessed Dome
2.8" / 5.0" / 7.0"

*For MegaVideo® Compact only

MegaVideo® Megapixel IP Cameras

1.3 to 10-Megapixels, Single and Dual-Sensor Models with Optional WDR

10MP Compact

Compact

Dual-Sensor

Compact WDR

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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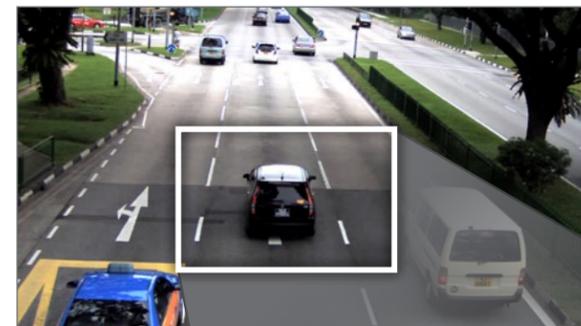Email: europe.sales@arecontvision.com

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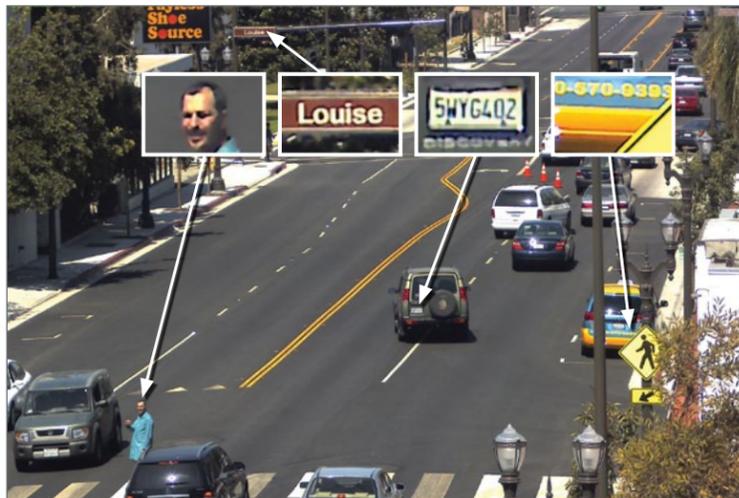
Wide Field of View

Telephoto Field of View

More Resolution and More Choices – MegaVideo®

MegaVideo® and MegaVideo® Compact multi-megapixel cameras provide ample resolution to zoom-in for details in live or recorded video. These box camera solutions are available at 1.3-, 1080p, 3-, 5- or 10-megapixel resolutions with the fastest frame rates in the industry. MegaVideo® cameras are "build to order" solutions: select the best lens, auto-iris, day/night and enclosures for specific applications (sold separately).

Highlighted Features:
- Dual Encoder: H.264 and MJPEG
- Wide Dynamic Range up to 100dB at Full Resolution in 1080p and 3MP. (WDR Cameras Only)
- Fast Frame Rates at Full Resolution. Casino Mode™ in 1080p Models (Maintains 30fps or Higher)
- Day/Night, Color and Auto-Iris Options
- Many Lenses to Choose From
- Binning Mode for Increased Low-Light Sensitivity on 3MP, 5MP and 10MP
- Small Size for Flexible Mounting Options
- 1024-Zone Motion Detection
- Privacy Masking for Multiple Regions

Made in the USA

Arecont Vision | 10 Years 2003 – 2013

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See Every Detail with Forensic Zooming

Arecont Vision megapixel cameras deliver outstanding resolution to capture every detail whether viewing live or recorded/archived video. With the ability to electronically Pan-Tilt-Zoom (PTZ) images, you can view the details you need to see at any time. Examples are applications requiring license plate, face and object recognition. The superior resolution of megapixel cameras also results in an extended field of view, allowing them to do the work of multiple conventional cameras—all without the need and associated expense of system operators having to "catch" activities of interest as they occur using conventional PTZ technology.

Enhanced Low-Light Performance

Day   Night

Low-light performance is a critical element to any surveillance project. In addition to offering cameras with Day/Night capabilities, some Arecont Vision megapixel cameras feature low-light enhancing technology such as pixel binning, and dual sensor operation. 3, 5 and 10MP MegaVideo® Compact cameras can be put in pixel binning mode at night to provide low-light performance. If a project requires extreme low light, Arecont Vision offers the dual sensor AV3135 which has a 1.3MP true monochrome sensor that provides the best low-light performance in the industry.

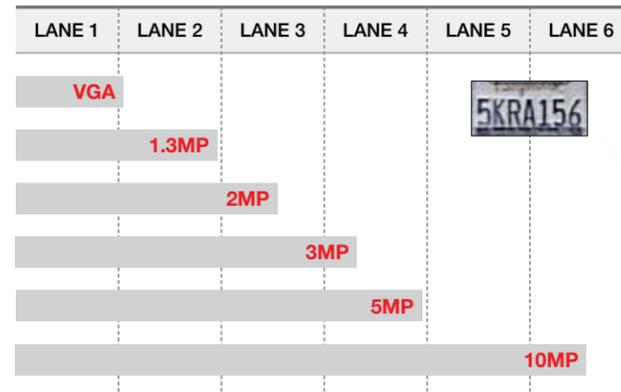## H.264 MegaVideo® Dual Sensor Series

Model	Resolution		Minimum Illumination	Maximum Frame Rate	H.264/MJPEG	Day/Night
AV3135	3MP (Color) 1.3MP (B/W)	2048 x 1536 (Color) 1280 x 1024 (B/W)	0.2 Lux (Color) 0 Lux, IR (B/W)	15fps (Color) 32fps (B/W)	•	•

Features at a Glance:
- Dual Sensor 3MP/1.3MP
- H.264/MJPEG
- 32fps @ 1.3MP (Night Mode)
- 15fps @ 3MP (Day Mode)
- Day/Night Version
- Superior Low-Light Performance
- Multi-Streaming
- Increased Resolution and Sensitivity

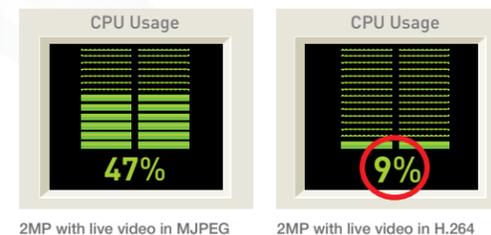## Covering Wider Areas with Fewer Cameras

In applications where large areas need to be secured, Arecont Vision megapixel cameras provide maximum return on investment. As an example, if a VGA camera could cover one lane of traffic, a 10MP camera could cover 5.5 lanes at the same resolution. In addition to their performance advantages, Arecont Vision megapixel cameras minimize equipment and installation labor costs resulting in less cameras, lenses, NVR licenses and supporting accessories.

LANE 1	LANE 2	LANE 3	LANE 4	LANE 5	LANE 6

- VGA
- 1.3MP
- 2MP
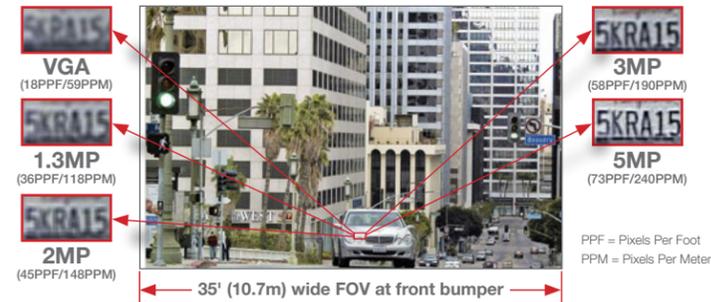- 3MP
- 5MP
- 10MP

5KRA156

Compliant H.264 Compression

- 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)

CPU Usage   CPU Usage

47%   9%

2MP with live video in MJPEG   2MP with live video in H.264

Increased Resolution

Whether for license plate recognition, face recognition or simply general situational awareness, Arecont Vision provides a resolution to meet the need. In applications where greater detail is needed, a higher resolution camera can be selected to ensure the required pixel density is delivered. In this example the pixel density increases for each higher resolution megapixel camera covering the same field of view.

VGA (18PPF/59PPM)
1.3MP (36PPF/118PPM)
2MP (45PPF/148PPM)
3MP (58PPF/190PPM)
5MP (73PPF/240PPM)

PPF = Pixels Per Foot
PPM = Pixels Per Meter

35' (10.7m) wide FOV at front bumper

MegaVideo Compact with Wide Dynamic Range (WDR)

Megapixel image without WDR   Megapixel image with WDR

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

H.264 MegaVideo® Compact Series

Features at a Glance:
- Full HD 1080p and 1.3, 3 and 5MP
- H.264/MJPEG
- 30fps @ 1080p, 9fps @ 5MP
- Color, Day/Night, Auto-Iris Versions
- ONVIF and PSIA Compliance
- Privacy Masking
- Extended Motion Detection Grids
- Multi-Streaming

Model	Resolution		Minimum Illumination	Maximum Frame Rate	Compact	H.264/ MJPEG	ONVIF/ PSIA	Color Only	Day/ Night	WDR	Auto-Iris
AV1115v1	1.3MP	1280 x 1024	0.1 Lux	42fps	•	•	•	•			
AV1115DNv1	1.3MP	1280 x 1024	0 Lux, IR	42fps	•	•	•		•		
AV1115DNAIv1	1.3MP	1280 x 1024	0.1 Lux	42fps	•	•	•		•		•
AV2115v1	1080p	1920 x 1080	0.1 Lux	32fps	•	•	•	•			
AV2115DNv1	1080p	1920 x 1080	0 Lux, IR	32fps	•	•	•		•		
AV2115DNAIv1	1080p	1920 x 1080	0.1 Lux	32fps	•	•	•		•		•
AV2116DNv1	1080p	1920 x 1080	0.3 Lux @ F1.4 Binning 0.15 Lux @ F1.4 Day/Night: 0 Lux, IR sensitive	32fps	•	•	•		•	•	
AV3115v1	3MP	2048 x 1536	0.3 Lux Binning 0.15 Lux	21fps	•	•	•	•			
AV3115DNv1	3MP	2048 x 1536	0 Lux, IR	21fps	•	•	•		•		
AV3115DNAIv1	3MP	2048 x 1536	0.3 Lux Binning 0.15 Lux	21fps	•	•	•		•		•
AV3116DNv1	3MP	2048 x 1536	0.3 Lux @ F1.4 Binning 0.15 Lux @ F1.4 Day/Night: 0 Lux, IR sensitive	21fps	•	•	•		•	•	
AV5115v1	5MP	2592 x 1944	0.3 Lux Binning 0.15 Lux	14fps	•	•	•	•			
AV5115DNv1	5MP	2592 x 1944	0 Lux, IR	14fps	•	•	•		•		
AV5115DNAIv1	5MP	2592 x 1944	0.3 Lux Binning 0.15 Lux	14fps	•	•	•		•		•
AV10115v1	10MP 1080p	3648 x 2752 1920 x 1080	0.42 Lux Binning 0.21 Lux	7fps @ 10MP 32fps @ 1080p	•	•	•	•			
AV10115DNv1	10MP 1080p	3648 x 2752 1920 x 1080	0 Lux, IR	7fps @ 10MP 32fps @ 1080p	•	•	•		•		
AV10115DNAIv1	10MP 1080p	3648 x 2752 1920 x 1080	0.42 Lux Binning 0.21 Lux	7fps @ 10MP 32fps @ 1080p	•	•	•		•		•

Wide Array of Resolutions

Class	Resolution	Pixels	Benefit
VGA	640 x 480	0.3MP	–
HDTV 720p	1280 x 720	0.9MP	300%
1.3MP	1280 x 1024	1.3MP	425%
2MP	1600 x 1200	2MP	625%
HDTV 1080p	1920 x 1080	2.1MP	675%
3MP	2048 x 1536	3MP	1025%
5MP	2592 x 1944	5MP	1640%
8MP	6400 x 1200	8MP	2500%
10MP	3648 x 2752	10MP	3270%

Arecont Vision offers the most complete suite of resolutions available.

Broad Line-up
- Largest selection of resolutions from 1.3 to 10MP
- Largest variety of camera models: Color, Day/Night, Auto-Iris and WDR.

Cost Efficiency
- The cost of an Arecont Vision compact series megapixel camera = the cost of an analog camera + the cost of an encoder while delivering higher resolution images with greater forensic detail.

ONVIF   PSIA   Arecont Vision   10 Years 2003 - 2013