



#### More Resolution in the Most Choices – MegaVideo®

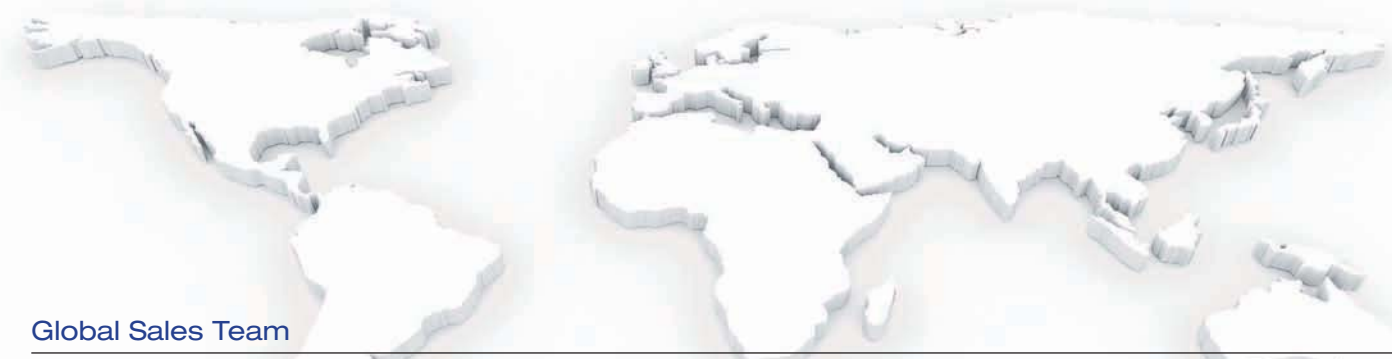
Arecont Vision pioneered the implementation of H.264 (MPEG-4 Part 10) compression in the security industry for high-definition and high multi-megapixel image resolution camera solutions. The MegaVideo® Series is available in 1.3, 2, 3, 5, 10 megapixel and full HD 1080p formats in color, Day/Night, auto iris and dual sensor configurations – setting the industry benchmark for value and performance.

#### Highlighted Features:

- World's first full line of H.264 megapixel cameras
- H.264 (MPEG-4 Part 10) compression standard
- Superior image quality and low light performance
- Fastest megapixel image frame rate
- Unparalleled High-Definition resolution
- Cost efficiency
- Compact
- CE, FCC, cULus listed, RoHS regulatory approvals

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Arecont Vision is the leading manufacturer of high-performance megapixel IP cameras and associated software. All Arecont Vision products are made in the USA.



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megapixel technology...  
**beyond imagination**

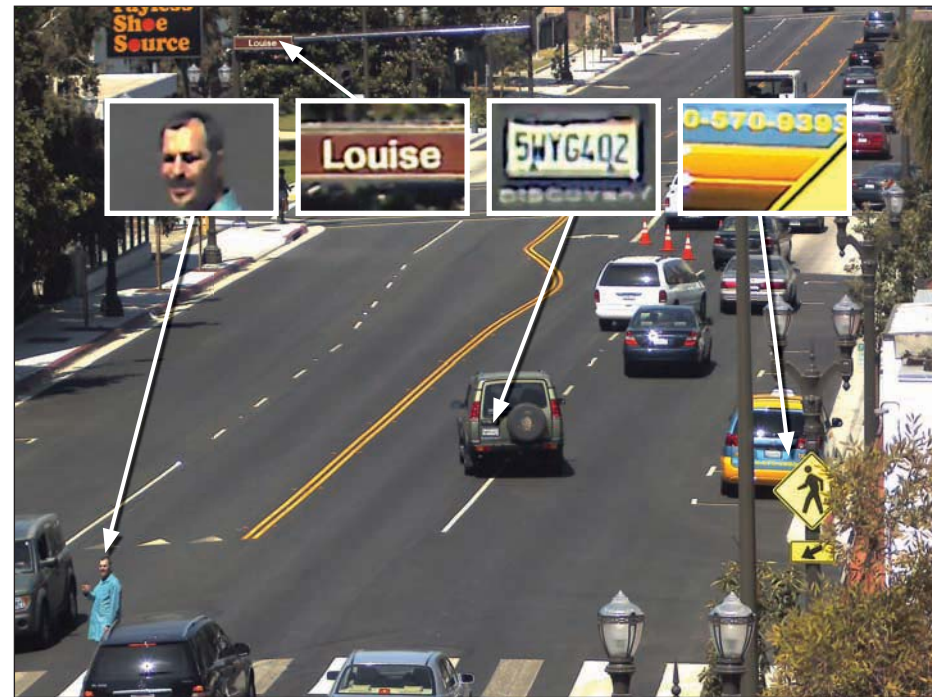
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## H.264 MegaVideo® Megapixel IP Cameras



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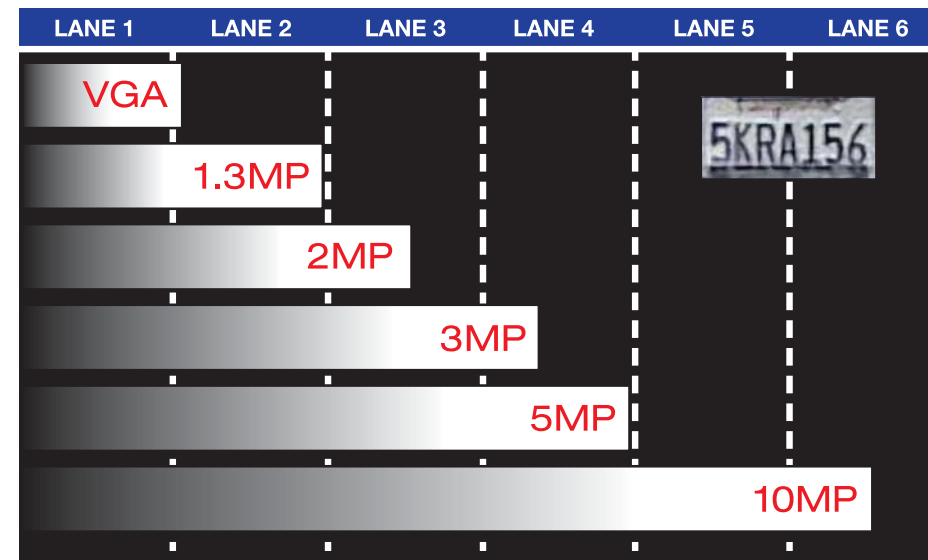
## See Every Detail with Forensic Zooming



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, such as applications requiring license plate, face and object recognition. Megapixel cameras' superior resolution also results in extended fields 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.

## Increase Resolution and Coverage 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.

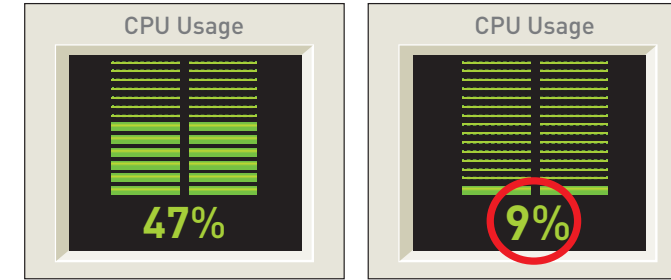


## Compliant H.264 Compression

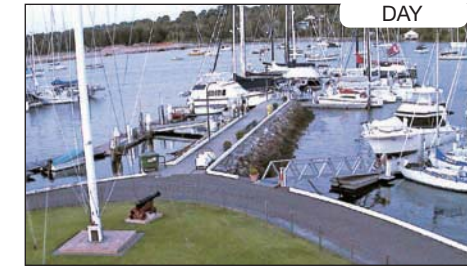
- Compliant implementation of H.264 allows full frame rates and full resolution without sacrificing image quality
- H.264 and MJPEG dual compression support with simultaneous streaming
- Decreases the CPU load both at the client (decompression) side and the server/storage side
- Lower bandwidth and storage 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)



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



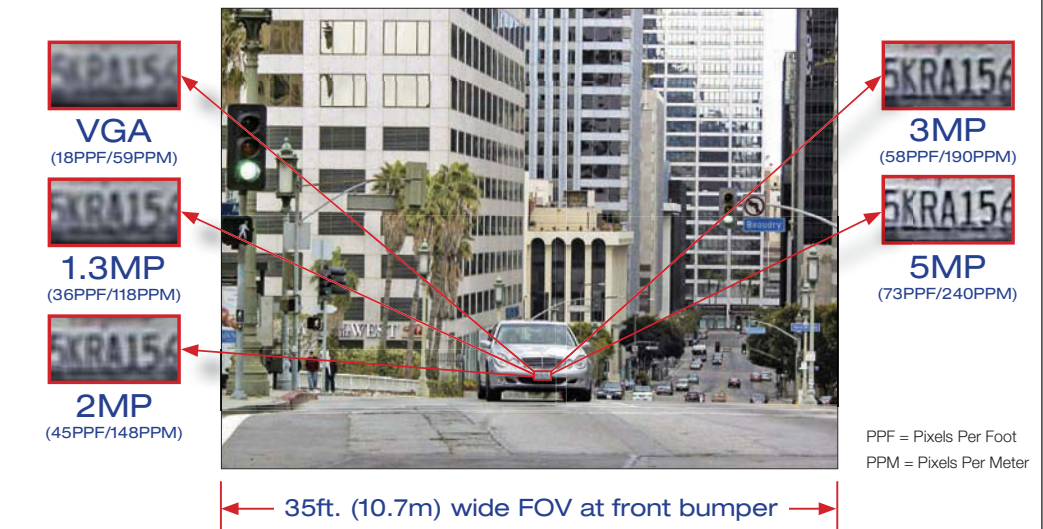
## Enhanced Low Light Performance

Low light performance is a critical element to any surveillance project. In addition to offering all camera series with day/night capability, some Arecont Vision megapixel cameras feature low light enhancing technology such as binning, and dual sensor operation. The AV10005DN can be binned at night to provide the low light performance of a 2.5 MP camera. If a project requires extreme low light, Arecont Vision offers the dual sensor AV3135 which has a 1.3 megapixel true monochrome sensor that provides the best low light performance in the industry.

## 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.



## Wide Array of Resolutions

Class	Resolution	Pixels	Benefit
VGA	640x480	0.3MP	–
HDTV 720p	1280x720	0.9MP	300%
1.3MP	1280x1024	1.3MP	425%
2MP	1600x1200	2MP	625%
HDTV 1080p	1920x1080	2.1MP	675%
3MP	2048x1536	3MP	1025%
5MP	2592x1944	5MP	1640%
8MP	6400x1200	8MP	2500%
10MP	3648x2752	10MP	3270%

Arecont Vision offers the most complete suite of resolutions available with models from 1.3 megapixels to 10 megapixels to meet your every need.

## Broad Line-up

- Largest selection of resolutions 1.3 to 10MP
- Largest variety of camera models Color, D/N, A/I
- A camera for every solution

## 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.

## H.264 MegaVideo® Series

Model	Resolution	Min Illumination	Max Frame Rate	H.264/MJPEG	Color Only	Day/Night	Auto-Iris
AV1305	1.3MP 1280x1024	0.1 Lux	32fps	•	•		
AV1305DN	1.3MP 1280x1024	0 Lux, IR	32fps	•		•	
AV1305-AI	1.3MP 1280x1024	0.1 Lux	32fps	•	•		•
AV2105	2MP 1600x1200	0.1 Lux	24fps	•	•		
AV2105DN	2MP 1600x1200	0 Lux, IR	24fps	•		•	
AV2105-AI	2MP 1600x1200	0.1 Lux	24fps	•	•		•
AV2805	1080p 1920x1080	0.1 Lux	30fps	•	•		
AV2805DN	1080p 1920x1080	0 Lux, IR	30fps	•		•	
AV2805-AI	1080p 1920x1080	0.1 Lux	30fps	•	•		•
AV3105	3MP 2048x1536	0.2 Lux	15fps	•	•		
AV3105DN	3MP 2048x1536	0 Lux, IR	15fps	•		•	
AV3105-AI	3MP 2048x1536	0.2 Lux	15fps	•	•		•
AV5105	5MP 2592x1944	0.3 Lux	9fps	•	•		
AV5105DN	5MP 2592x1944	0 Lux, IR	9fps	•		•	
AV5105-AI	5MP 2592x1944	0.3 Lux	9fps	•	•		•
AV10005	10MP 3648x2752 1920x1080	0.6 Lux 0.15 Lux	6fps @ 10MP 30fps @ 1080P	•	•		
AV10005DN	10MP 3648x2752 1920x1080	0 Lux, IR	6fps @ 10MP 30fps @ 1080P	•		•	

## Features at a Glance

### H.264 MegaVideo® Series

- 1.3, 2, 3, 5, 10 megapixel and full HD 1080p
- H.264/MJPEG
- 30fps@1080p, 6 fps@10MP
- Color, Day/Night, Auto Iris versions
- PSIA compliance (some models)
- Privacy masking (some models)
- Binning mode on 10MP/1080p dual camera
- Multi-streaming

## H.264 MegaVideo® Compact Series

Model	Resolution	Min Illumination	Max Frame Rate	Compact	H.264/MJPEG	Color Only	Day/Night	Auto-Iris
AV1115	1.3MP 1280x1024	0.1 Lux	42fps	•	•	•		
AV1115DN	1.3MP 1280x1024	0 Lux, IR	42fps	•	•		•	
AV1115AI	1.3MP 1280x1024	0.1 Lux	42fps	•	•	•		•
AV2115	1080p 1920x1080	0.1 Lux	32fps	•	•	•		
AV2115DN	1080p 1920x1080	0 Lux, IR	32fps	•	•		•	
AV2115AI	1080p 1920x1080	0.1 Lux	32fps	•	•	•		•
AV3115	3MP 2048x1536	0.3 Lux Binned 0.15 Lux	21fps	•	•	•		
AV3115DN	3MP 2048x1536	0 Lux,IR	21fps	•	•		•	
AV3115AI	3MP 2048x1536	0.3 Lux Binned 0.15 Lux	21fps	•	•	•		•
AV5115	5MP 2592x1944	0.3 Lux Binned 0.15 Lux	14fps	•	•	•		
AV5115DN	5MP 2592x1944	0 Lux, IR	14fps	•	•		•	
AV5115AI	5MP 2592x1944	0.3 Lux Binned 0.15 Lux	14fps	•	•	•		•
AV10115	10MP 3648x2752 1920x1080	0.42 Lux Binned 0.21 Lux	7fps@10MP 32fps@1080p	•	•	•		
AV10115DN	10MP 3648x2752 1920x1080	0 Lux, IR	7fps@10MP 32fps@1080p	•	•		•	
AV10115AI	10MP 3648x2752 1920x1080	0.42 Lux Binned 0.21 Lux	7fps@10MP 32fps@1080p	•	•	•		•

## Features at a Glance

### H.264 MegaVideo® Compact Series

- 1.3, 3, 5 megapixel and full HD 1080p
- H.264/MJPEG
- 32fps@1080p, 14fps@5MP
- Color, Day/Night, Auto Iris versions
- PSIA compliance
- Privacy masking
- Extended motion detection grids
- Multi-streaming

## H.264 MegaVideo® Dual Sensor Series

Model	Resolution	Min Illumination	Max Frame Rate	H.264/MJPEG	Color Only	Day/Night	Auto-Iris
AV3135	3MP (Color) 1.3 MP (B/W)	2048x1536 (Color) 1280x1024 (B/W)	0.2 Lux (Color) 0 Lux, IR (B/W)	15fps (Color) 32fps (B/W)	•		•

## Features at a Glance

### H.264 MegaVideo® Dual Sensor Day/Night Series

- Dual sensor 3MP/1.3MP
- H.264/MJPEG
- 32fps@1.3MP (Night Mode)
- 15 fps@3MP (Day Mode)
- Day/Night version
- Superior low light performance
- Multi-streaming
- Increased resolution and sensitivity



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