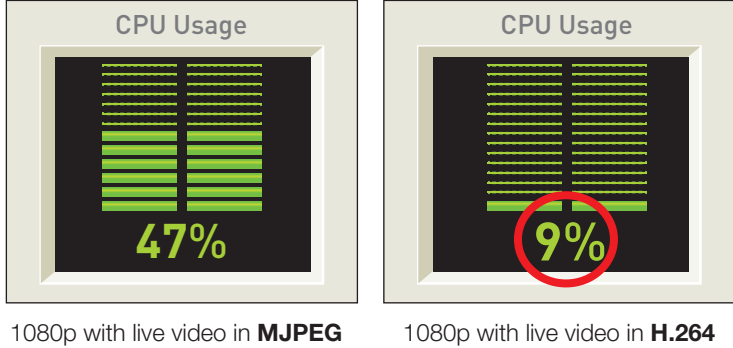## Increased Resolution for Forensic Zooming

The license plate marker: 90ft (27.4m) from camera
Camera: AV5125 @ 10mm
Pixel density archived: 50PPF (164 PPM)

Arecont Vision MegaView™ cameras allow you to choose the level of resolution you need. In applications where extreme detail is required, such as license plate or face recognition, a higher resolution camera can be selected to ensure sufficient pixel density is delivered. Because megapixel images have a greater number of pixels than VGA images, MegaView™ cameras allow users to view up-close details in live or recorded video at any time without compromising overall surveillance – an added benefit not possible with conventional PTZ cameras.

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 manage desired bandwidth and storage size
- Real Time Streaming Protocol (RTSP) allows for compatibility with media players such as Apple QuickTime, VLC and others
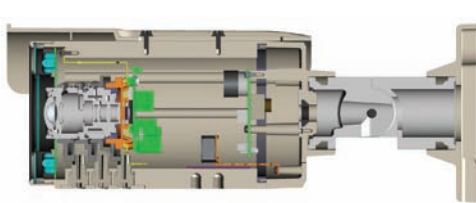
H.264 Decompression (example)

CPU Usage **47%**
CPU Usage **9%**

1080p with live video in **MJPEG**   1080p with live video in **H.264**

H.264 MegaView™ Series

Model	Resolution		Min Illumination	Binning	Max Frame Rate	Lens	H.264/MJPEG	Day/Night	Heater	IR
AV1125DN	1.3MP	1280x1024	0.1 Lux Color 0 Lux, IR Sensitive		42fps	4-10mm IR Corrected	•	•	•	
AV1125IR	1.3MP	1280x1024	0.1 Lux Color 0 Lux, IR Sensitive		42fps	4-10mm IR Corrected	•	•	•	•
AV2125DN	1080p	1920x1080	0.1 Lux Color 0 Lux, IR Sensitive		32fps	4-10mm IR Corrected	•	•	•	
AV2125IR	1080p	1920x1080	0.1 Lux Color 0 Lux, IR Sensitive		32fps	4-10mm IR Corrected	•	•	•	•
AV3125DN	3MP	2048x1536	0.3 Lux Color 0 Lux, IR Sensitive	•	20fps	4-10mm IR Corrected	•	•	•	
AV3125IR	3MP	2048x1536	0.3 Lux Color 0 Lux, IR Sensitive	•	20fps	4-10mm IR Corrected	•	•	•	•
AV5125DN	5MP	2592x1944	0.3 Lux Color 0 Lux, IR Sensitive	•	14fps	4-10mm IR Corrected	•	•	•	
AV5125IR	5MP	2592x1944	0.3 Lux Color 0 Lux, IR Sensitive	•	14fps	4-10mm IR Corrected	•	•	•	•

Easy and Efficient All-in-One Design

The MegaView™ series is an all-in–one imaging solution complete with a high performance megapixel camera, IR corrected megapixel lens, IR LED array, heater, blower and ruggedized IP66-rated cylindrical enclosure. MegaView™ delivers a complete imaging solution ideal for virtually any mainstream application, with exceptional performance and ease of installation.

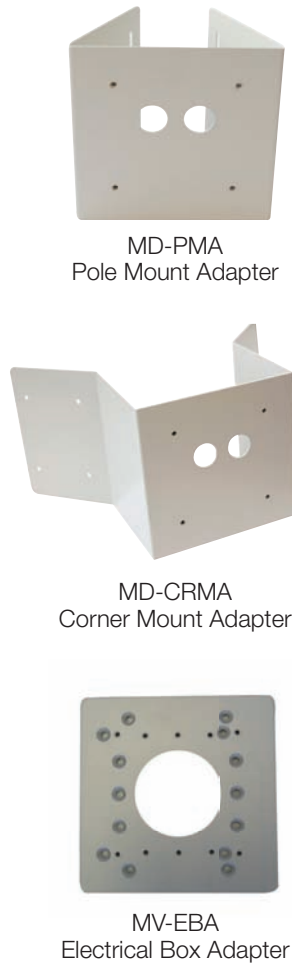## Captures Images Even in Total Darkness

Lights On

Lights Off

MegaView™ cameras take low-light performance to the extreme. Their Day/Night capability automatically switches from color to BW operation to increase sensitivity at night. The binning function further provides increased sensitivity and improved low light performance. But when the lights are out, MegaView can still capture all the action by using integrated Infrared Illumination (IR) as shown above.

IR Illuminator Specifications

RL Illuminator Key Specs	
IR LEDs	48 pcs
IR Wavelength	850nm
IR Distance	25 meter
IR Angle	45°
Power Consumption	3 watts

Accessories

MD-PMA
Pole Mount Adapter

MD-CRMA
Corner Mount Adapter

MV-EBA
Electrical Box Adapter

Enhanced Low-Light Performance

Day Mode
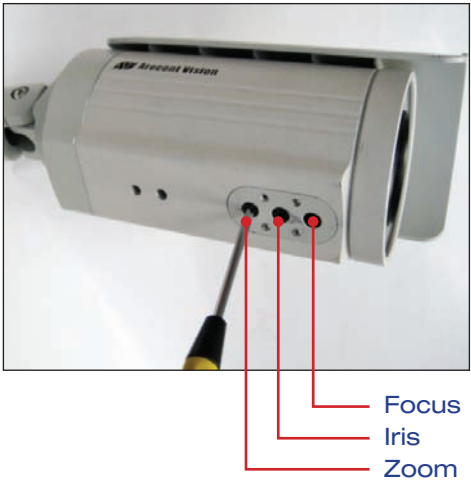

Night Mode

As part of their superior Day/Night operation, MegaView cameras include low-light enhancing technology such as binning and adaptive noise-cancellation. This functionality along with integrated IR illumination provides a winning combination in complete darkness.

Easy Installation and Adjustment

Focus
Iris
Zoom

MegaView™ cameras feature 3-axis brackets and easy cable management for fast and easy installation. Allowing you to precisely position the camera. More important, the cameras' focus, iris and zoom controls are all externally accessible making camera adjustment fast and simple using a security key.

Arecont Vision
megapixel technology...
beyond imagination

MegaView™ models:
AV1325DN 1.3MP Day/Night
AV1325IR 1.3MP Day/Night with IR Illuminator
AV2825DN 1080p Day/Night
AV2825IR 1080p Day/Night with IR Illuminator
AV3125DN 3MP Day/Night
AV3125IR 3MP Day/Night with IR Illuminator
AV5125DN 5MP Day/Night
AV5125IR 5MP Day/Night with IR Illuminator

The all-in-one solution... for all. MegaView™

MegaView™ all-in-one Day/Night H.264 megapixel cameras are an all-in-one high performance imaging solution. This unique series includes models with 1.3MP, 3MP, 5MP or 1080p resolution sensors. All are enclosed in IP66 environmentally-rated and vandal-resistant cylindrical (bullet-style) housings for installation in demanding locations. These Day/Night cameras are complemented by integrated megapixel IR-corrected lenses. Models featuring integrated IR LED rings provide images in total darkness. MegaView™ is the all-in-one megapixel solution for all.

Highlighted Features:

• Available in 1.3, 3, 5MP and full 1080p resolutions

• 42fps @ 1.3MP, 32fps @ 1080p

• 20fps @ 3MP and 14fps at 5MP

• Binning operation for increased low-light sensitivity on 3MP and 5MP

• Integrated IR LED array for imaging in total darkness

• Extended motion detection (1024 zones)

• Flexible cropping

• Privacy masking on the camera

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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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