

Arecont Vision  
Megapixel Cameras  
Capture Essential  
Images at New York  
State Police Station

Advanced Functionality and Lower  
Operational Costs add to Megapixel  
Technology Benefits



## Customer

The Police Department of Monroe, New York is a fully staffed law enforcement agency that is committed to providing the town's residents with the most professional and courteous police service possible. In addition to a chief of police, staff includes supervisors, a patrol unit, a detective unit, communications (dispatch) and support personnel. The Town of Monroe, New York is located in Southern Orange County and in close proximity to the metropolitan New York City area. The town, which is named after President James Monroe, consists of three villages – Monroe, Kiryas Joel and the majority of Harriman, which it shares with the Town of Woodbury.

## Challenge

Like most police departments today, the Monroe Police Department had potential vulnerability to accusations of unwarranted or excessive force, officer misconduct or lack of accountability from inmates held in the building's jail. Although these types of claims have been rare for the Monroe Police Department, the chief of police and the town council still believed it would be wise to take steps to protect the police department from liability claims. It was agreed that the installation of a video surveillance system would achieve this objective. The challenge was to find the best technology to meet their current and future needs. Issues such as



### AV8185DN

SurroundVideo® Series

- 6fps @ 8MP ; 22 fps @ 2MP
- 180° Day/Night SurroundVideo
- Dual Encoder H.264 (MPEG Part 10) and MJPEG
- IP66 and Vandal Resistant Dome
- Adjustable 2-axis camera gimbal with 360° pan and 90° tilt
- Forensic Zooming
- Privacy Mask
- Multi-Streaming



### AV2155DN

MegaDome® IP Camera

- Integrated Megapixel camera, 4.5-10mm IR corrected Lens, 3-axis gimbal
- IP66 Vandal Resistant Dome
- Superior Low Light Performance : 1/2" CMOS Sensor
- Dual Encoder H.264 (MPEG Part 10) and MJPEG
- Fast MegaPixel Image Rates 24 fps
- Multi-Streaming
- Forensic Zooming

return on investment, image quality, greater functionality and lower overall system costs were priorities, but most important was the technology's capability to capture essential images and information as opposed to simply delivering raw video.

## Megapixel Solution

The Monroe Police Department selected a state-of-the-art megapixel video surveillance solution to fulfill their objective of protecting the department from liability issues and to give its staff peace of mind. The high resolution, detailed images provided by the system allow enhanced situational awareness compared to other imaging technologies, giving the department an active security tool rather than a passive monitoring system.



“Installation of Arecont Vision cameras at the Monroe Police Department has given the officers peace of mind,” said Detective Jim Frankild. “The high quality video enables us to analyze and verify any suspicious activity as well as support improved situational awareness.”

Located on the main street in the Village of Monroe, the police department is housed in a freestanding building with open space on both sides, a front entrance with limited access that abuts the sidewalk, a back parking lot and entrance. Arecont Vision's AV8185DN SurroundVideo® 8 megapixel 180° panoramic IP cameras were installed at the front and back entrances for exterior video surveillance coverage. Each camera can record full motion at 6,400 x 1,200 and 6 frames per second (fps). The wide panoramic field of view eliminates the additional costs for additional cameras and pan/tilt/zoom units. The Arecont Vision cameras automatically switch from color to black and white in the evening and their Moonlight™ mode ensures clearly visible nighttime images of the outdoor perimeter.

For internal surveillance coverage, Arecont Vision's AV2155DN MegaDome® 2 megapixel cameras were installed in the hallways and in the cell areas, providing the ideal solution for the department's need for high detail imaging. The cameras deliver six times the resolution of standard IP video surveillance cameras at 24fps. They feature a 360° pan and 90° tilt adjustment for easy and accurate positioning and their polycarbonate IP66-rated dome enclosures help to make the cameras vandal resistant. The day/night feature ensures superior images from the cell area when overhead lights are turned down at night.

“With the cameras installed both inside and outside the facility, we can monitor a prisoner 24/7 -- from the time they come in to the time they leave,” adds Detective Frankild. “It's a very effective tool for our department.”

Both the AV8185DN and the AV2155DN megapixel cameras feature forensic zooming (zoom live or after-event while recording full field of view), region of interest and simultaneous full field of view, image cropping to discard unnecessary scenes and on-camera motion detection. The megapixel camera solution also brought the Monroe Police Department a reduced overall system cost. Since fewer cameras were needed, installation costs dropped with less labor, less wiring and since the cameras are powered over the network (PoE), no external power was required.

Additionally, the Arecont Vision megapixel cameras installed feature H.264 (MPEG 4, Part 10) compression, using less bandwidth and requiring less storage space.

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## Megapixel Benefits

The Arecont Vision megapixel camera solution provides significant benefits to the Monroe Police Department in addition to addressing their needs for comprehensive video evidence to defend themselves against unwarranted accusations or claims. The Arecont Vision megapixel technology offers increased functionality for improved decision making and action. Automated real-time intervention and post-incident investigation is improved through forensic zooming, region of interest, image cropping and motion detection as well as through panoramic view. Fewer operators are needed to monitor the system because there are fewer cameras with superior image quality. Installation was simplified as well with the cameras' PoE (Power over Ethernet) capability. Overall system costs were lower, both for installation and continued operation.

## About Arecont Vision

Arecont Vision is the leading manufacturer of high-performance megapixel IP cameras and associated software. Arecont Vision products are made in the USA and feature low-cost massively parallel image processing architectures MegaVideo® and SurroundVideo® that represent a drastic departure from traditional analog and network camera designs. All-in-one products such as the MegaDome®, MegaView™ and D4F/D4S/D4SO series provide installer friendly solutions. Compact JPEG and H.264 series of cameras address cost sensitive applications. These innovative technologies enable Arecont Vision to deliver multi-megapixel digital video at IP VGA camera price points.

