

# MTS INTELLIGENT SURVEILLANCE SOLUTIONS



## Maplewood PD – Safe Community Architecture

Maplewood, NJ Police Department sought the design and implementation services of MTS to architect a surveillance solution to extend their command and control throughout the community. Selected and prioritized locations were chosen and remote surveillance extensions were installed and linked back to police headquarters.

MTS Intelligent Surveillance Solutions designed and implemented the integrated security solution, deploying high capacity, high quality remote servers at selected locations. With emphasis on night vision and high quality images, MTS employed several fixed low light cameras and several advanced pan tilt zoom cameras with outstanding night vision. These remote sites were tied back to headquarters dispatch using cable modems and the Internet.

Special features include extensive bandwidth management to offset the delays inherent with the internet and integrated telemetry control. With specialized night vision algorithms, color images are clearly seen under normal night lighting conditions. MTS consulted with MPD to work with the local power company to bring the existing street lighting up to modern standards, greatly improving night vision.

Before the system has even been turned over, it has been instrumental in providing crucial input to a number of crimes including solving an armed robbery. Plans are underway to extend to more locations, add license plate recognition as a trial, and pilot streaming high priority compressed video into the patrol cars.

### Technology Included

Digital Video Surveillance  
 Night Vision Cameras  
 High Performance Pan Tilt Zoom  
 Bandwidth Management  
 Wireless Streaming (pending)  
 License Plate Recognition (pending)

### key features

- All Night Vision Cameras
- Surveillance Locations at key intersections
- 32x optical zoom wide dynamic range PTZ cameras
- Video capture at 30fps and CIFF4
- Frame rate and compression optimization for linkage back to dispatch
- 42" LCD digital monitor at dispatch to assist with remote command and control activities
- License Plate Recognition Pilot underway
- Streaming over RF pilot pending