

DESIGN CAMPUS-WIDE CAMERA SURVEILLANCE SYSTEM

Mid-Hudson Forensic Psychiatric Center

Owner: New York State Office of Mental Health

Contact: Chief Lonnie Warren, (845) 374-3171 ext. 3110

Budget: \$600,000

Completed: 2005

Key Design Elements:

- ◆ *Complete CCTV System Upgrade with cameras, controls, console equipment, monitoring equipment, and digital video recording*
- ◆ *Fully expandable system*
- ◆ *Fiber optic upgrades*
- ◆ *Reports, Construction Drawings, Technical Specifications, and Cost Estimates*
- ◆ *Construction Administration: Shop Drawings, O&M Manuals, Commissioning, Startup Support*



NEW HAMPTON, NY — As part of its term contract with the New York State Office of Mental Health (OMH), Plumb Engineering, P.C. was tasked with providing design services to completely replace the existing CCTV system at Mid-Hudson Forensic Psychiatric Center with a fully integrated digital multiplex system.

The system was designed to provide monitoring to four main buildings on the Mid-Hudson campus. Plumb provided coverage for both the building interiors as well as outdoor areas. The task was accomplished through a combination of specified interior fixed cameras and outdoor PTZ cameras.

To support the cameras, Plumb designed a complete fiber optic backbone capable of handling all video transmission and future upgrades. In addition, a complete head end design allows monitoring and camera control to be centralized to the facility's safety office.

The system includes a new digital video recorder with RAID storage capable of storing 30 days of recorded video from each camera at 15 fps.

Subsequent to design, Plumb provided construction administration to ensure proper installation and adherence to OMH statewide security standards. Plumb was also responsible for training the appropriate Mid-Hudson staff to use and maintain the systems.



Above: The fence provides for unobstructed CCTV views and access control

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