

Tech Services & Security Solutions

Project: Lower Merion Township Public Library



Leveraging its expertise in both VoIP and security, CM3 designs and installs an affordable, turnkey phone and security solution, and its single point-of-contact approach delivers seamless, streamlined project implementation.

Background

At nearly 24 square miles in area, Lower Merion is the largest of the 62 municipalities located within Montgomery County in southeastern Pennsylvania. The township is largely residential, with thriving business districts and several designated historic communities. It is home to 60,000 residents and has nationally recognized public and private schools, as well as colleges and universities. Serving this thriving community is the Lower Merion Township Public Library, which consists of six libraries and one book processing center.

As part of a comprehensive technology and security modernization plan, the Library issued a Request for Proposals to upgrade and enhance its aging phone and security infrastructure.

The proposal request focused on two primary areas:

- Voice over Internet Protocol (VoIP) Implementation, including uninterruptible power supply and devices
- Security camera replacement and upgrade to PoE

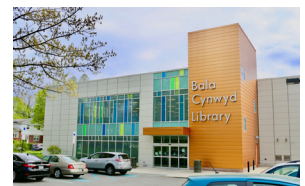
The project also included decommissioning of the current phone and security systems and running new cable (as needed).

Results

As a systems integrator of both communications and security products, CM3 was uniquely qualified to provide a comprehensive, turnkey solution to the Library. With in-house design, installation and integration expertise in both VoIP and video surveillance, CM3 could manage all aspects of the project from conceptualization and product selection through installation and support. This delivered cost and communication efficiencies while ensuring that the multi-faceted project was seamlessly coordinated.



Ardmore Library



Bala Cynwyd Library



Belmont Hills Library



Gladwyne Library



Ludington Library



Penn Wynne Library



Lower Merion Book Processing Center

Solutions



**Yealink
Phone Series**
(Full-featured &
Entry-level)

Phones

Focusing on providing both affordable and feature-rich options, CM3 recommended and installed 67 phones from Yealink. Each phone has the ability to dial 911, and the phone will automatically send the street address when 911 is dialed. The Auto Attendant interface is intuitive, enabling the Library System to easily setup and manage the voicemail system.

Key features:

- 5-way conferencing
- Noise-filtering technology
- Color display with backlight
- Supervised end-point devices
- Wired and Bluetooth headsets
- Easily expandable and upgradable
- eFax capabilities

Built for Future Needs

The Yealink product line includes a full range of devices (headset, speakerphone and camera that can be used in open office, home office, private office, and mobile). It also integrates with a wide range of devices, such as intercom, paging, public address and clocks.



**Verkada Dome
Series Cameras**
(Indoor &
Outdoor)

Video Surveillance

Recognizing the Library System's need for both durability and high-performance, CM3 recommended and deployed 56 cameras from Verkada's Dome Series. The Verkada Dome delivers enterprise-grade security in a wide range of models for indoor or outdoor use. The cameras offer streamlined, scalable installation and have up to 130 feet of IR range, which is ideal for low-light environments. Also included are computer vision processors for AI-powered analytics, including facial recognition, although this feature can be turned off if desired.

Benefits of the hybrid-cloud platform:

- No DVRs/NVRs required on-site
- Single pane-of-glass monitoring
- Remote management
- Automatic software updates
- Easy to install and scale

One Platform to Manage Security Across Sites

Simultaneously aggregating feeds from multiple sites, the Verkada system also can integrate insights across future system enhancements, such as access control, intercom, air quality sensors, alarms, and visitor management.

What is hybrid cloud security?



Phones

- Up to 365 days of onboard storage; No NVRs or DVRs
- Bandwidth friendly (20–50kbps in steady state)
- Single Ethernet cable (PoE) to operate

Cloud (AWS)

- Intuitive browser-based user interface
- Modern user authentication (SAML 2.0, 2FA)
- No plugins or downloads required

Software

- Seamless access to all cameras
- Unlimited storage for archived clips
- Secure HTTPS/TLS encryption
- 30-days cloud backup included; can be extended further

