

Longwatch Surveillance System Access Control



Improve Security and Eliminate False Alarms

Owners and operators of remote facilities have often been faced with the inconvenience and cost of maintaining hardware locks. In addition, they've battled vandalism and unauthorized intrusions, while also dealing with false alarms when authorized access occurs.

Longwatch's Access Control solution brings a new level of integrated access control and video monitoring. With this advanced yet simple system, users can:

- Deter crime and vandalism
- Practically eliminate false alarms
- Verify access authorization electronically and visually
- Do away with troublesome, conventional keys
- Take advantage of existing system infrastructure to keep costs down and simplify system operation and maintenance
- Comply with emerging DHS and Sarbanes-Oxley guidelines

Access Control Product Overview

The Longwatch Surveillance System is available with optional card Access Control for remote facilities. Building upon the capabilities of the Remote Video Engine and the Video Control Center, the Access Control option enables operators to add an additional level of security at remotes facilities without the installation of a new communications network or the purchase of a standalone system to provide Card Access Control.

Access Control Product Overview

All changes (such as access for new or terminated employees, temporary workers, or contractors) are made from a central location and deployed to each remote location. No more having to drive to the remote facility to make database changes. Entry into remote locations can be granted from central location. Central operators have a comprehensive view of the status of all remote locations. Alarm and event history is recorded centrally for forensic or auditing purposes. The remote equipment and logic continue to operate without the central location when the network or central stations are inoperative.

Multi-layered Security:

Assigned access cards are unique to each user and can be configured to control, monitor, and report on access to specific buildings, doors, or other assets. Remote site security can be configured for two levels of security - badge and user password validation.

Capabilities				
•	Integrates Video Surveillance and card Access Control			
•	Centrally manages access permissions			
•	Provides video confirmation of entry			
•	Uses existing SCADA communications network			
•	Allows Remote Access Authorization from a central location			
•	Interfaces with electronic door locking systems			
•	Easy to Install, Operate, and Maintain			
Applications				
•	Water Distribution			
•	Wastewater Systems			
•	Oil and Gas Transmission and Distribution			
•	Distributed Power Generation			
•	Electric Power Transmission and Distribution			
•	Remote Site Equipment Management			

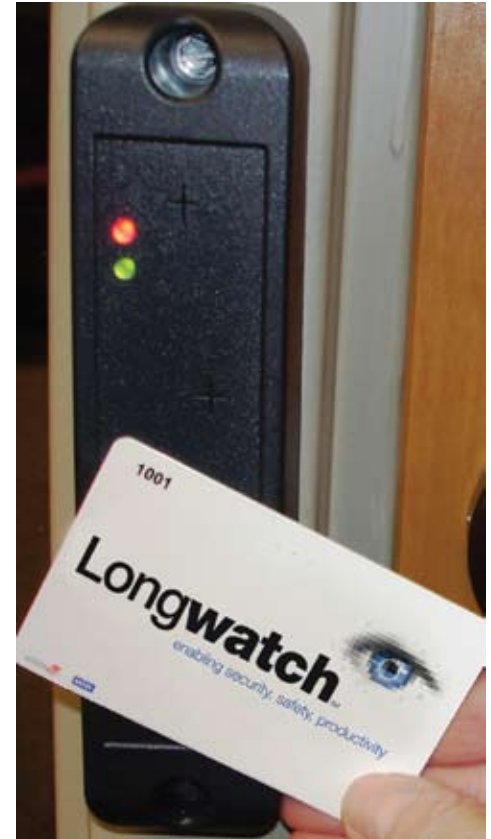
Longwatch Surveillance System

Access Control

Distributed Architecture:

The Longwatch System was designed by experts who understand the realities of networks and field conditions. For example, your system is able to store and forward events and information during network outages. And the unique flexibility of Longwatch means the system can scale up to almost any size while placing the lowest possible load on your network resources.

Access Rights Management



SCADA Integration:

Longwatch Leverages existing remote PLC/RTU or wireless TCP/IP communications network. Common PLC protocols such as Modbus, BSAP and DF1 are supported. System is operable on virtually any communications media from telephone lines to fiber-optic cabling, including radios, frame relay, satellite and cellular connections. Communications are uniquely designed for low bandwidth (9600 baud) and scales to high bandwidth LAN/WAN networks.

Allows the use of existing SCADA/HMI to manage process alarms, security alarms, and access control in the same environment. Tools such as OPC, Active/X controls and modular web pages can be integrated into existing SCADA screens to provide real-time visibility to remote doors and alarm status.

Components:

- Longwatch Video Control Center
- Longwatch Remote Video Engine
- HID Card Compatible Proximity Card Readers
- Proximity Cards
- Essex Electronics Keypad (for user PIN entry)

About Longwatch

Longwatch was founded by a team of industry veterans with the goal of providing video over existing SCADA communication networks. The result was the development of the Longwatch Video Surveillance System. Advanced technology incorporated in the system allows SCADA system operators the ability to utilize video to monitor and verify alarms at remote sites utilizing the existing communications infrastructure.

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