



IP CAMERA MONITORING FOR COMBAT TRAINING FACILITY

Defending the United States of America is held with utmost importance by our government, states, communities and citizens.

Our troops require and maintain rigorous training schedules to keep prepared for war, developing new strategies that endure technological advancements and improved combat systems. Monitoring soldiers' actions is crucial for effective training, and facilities are beginning to deploy enhanced monitoring tactics such as IP camera surveillance within their structures.

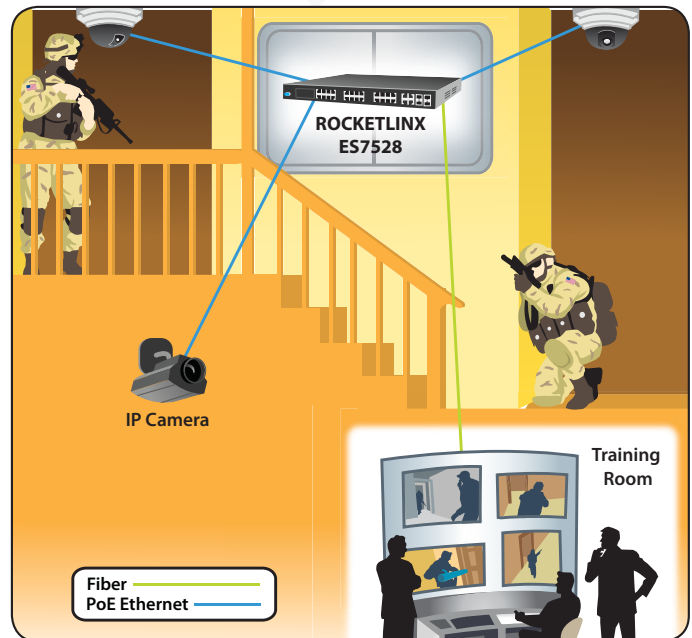
A large training facility located on a military base in Missouri chose to integrate IP camera monitoring into their training system. The base contracted NetWatch Inc., a surveillance systems integrator, to create a solution for their monitoring needs.

As part of the overall project, a multiple-building mock village was to be outfitted with numerous IP cameras in each building. Each camera was to be strategically situated to record a different angle of the facility, and provide extensive coverage of the buildings and soldiers' behaviors under warlike conditions. The footage would be viewed by commanding officers in the facility's monitoring room, for later discussion and use in future training lessons.

Additionally, the natural environment alone would be providing the temperature control in the mock village, and all products used on this part of the project would have to withstand harsh conditions. NetWatch turned to Control Corporation for a crucial piece of their design, understanding reliable connectivity in these conditions is vital for efficient camera operation.

Control's RocketLinx ES7528 Power over Ethernet (PoE) switch was chosen for use in each of the buildings, as its rugged enclosure and wide operating temperature range met the required specifications. In addition, the intuitive management features helped NetWatch easily configure and deploy the switches, providing a robust and reliable solution while enabling an average of ten IP cameras per switch.

The RocketLinx ES7528 is a fully IEEE 802.3at compliant PoE Plus rackmount switch that features 24 10/100BASE-TX Ethernet ports and four Gigabit Uplink/SFP Combo ports. All of the fast Ethernet PoE injector ports can deliver 15.4W by IEEE 802.3af or 30W by the latest high power PoE IEEE 802.3at standard. This switch is designed for highly critical PoE applications such as real-time IP video surveillance and wireless communication systems.



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RocketLinx™ ES7528

Part Number: 32049-4



KEY FEATURES AND BENEFITS

- 24 10/100BASE-TX, four Gigabit uplink/four SFP ports
- 24-ports support both 15.4W IEEE 802.3af and 30W high power IEEE 802.3at, including 2-event and LLDP classification
- IEEE 802.3at and IEEE 802.3af with max. 30W per port
- LLDP for reliable PoE connection through Active Powered Device status detection and auto reset function
- Total PoE power budget of up to 720 watts
- Flexible-bandwidth and long-distance fiber data transmission via SFP transceivers
- 12.8G Non-Blocking backplane and 16K MAC table
- IEEE 1588 PTP compliance for precise time synchronization
- Advanced Redundant ring capabilities for aggregating up to 12 x 100Mb rings plus 2 Gigabit rings
- Supports up to 9,216 bytes Jumbo Frame for large file transmission
- Optimized IGMP Query v1/v2 and IGMP Snooping v1/v2/v3 for advanced multicast filtering
- Supports up to 255 VLANs for traffic isolation
- Advanced network management features including SNMP
- Supports DHCP client/server and DHCP Option 82 for automatic IP configuration
- Dual redundant AC and DC power input voltage range: 48VDC (46-57VDC) and 100-250VAC, 47-63Hz, 4A
- IP31 rugged aluminum case with superior heat dispersal
- IPv6 support

PRODUCT

The RocketLinx ES7528 is a fully 802.3at compliant PoE Plus rack mount switch that features 24 10/100BASE-TX Ethernet ports and four Gigabit Uplink/SFP Combo ports. This switch is designed for highly critical PoE applications such as real time IP video surveillance and wireless communications systems.

All of the fast Ethernet PoE injector ports can deliver 15.4W by IEEE 802.3af or 30W by the latest high power PoE IEEE 802.3at standard. This flexibility makes the ES7528 the perfect solution for upgrading existing video network infrastructures to a powerful IP video surveillance network.

The 4 Gigabit Ethernet ports provide high speed uplinks to higher level backbone switches while advanced ring technology enables the ES7528 to aggregate up to 12 fast Ethernet rings and two gigabit rings providing high quality data transmission with less than 5ms network recovery time. To ensure traffic switching without data loss and blocking, the ES7528 provides a 12.8G backplane with integrated non-blocking switching function.

With advanced Layer2 management features including IGMP Query/Snooping, DHCP, 255 VLAN, QoS, LACP, LPLD, and 24 PoE Plus ports, the RocketLinx ES7528 stands out from other PoE switches as the optimal solution for high density PoE and video surveillance applications.



Warranty Information

Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

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