APPLICATION TIPS: CAMERA BACKHAUL

LIGHTPOINTE™
WIRELESS
An Axis Technology Partner

AXIS COMMUNICATIONS

INSTALLATION OF WIRELESS BRIDGE TO CONNECT AXIS CAMERAS—WHILE ALSO PROVIDING CUSTOMER THE OPTION OF LOW LATENCY GIGABIT NETWORK CONNECTION TO REMOTE BUILDING

Scenario

An Enterprise (business, school, government agency, airport, etc.) wants to install Axis cameras at another building or site. Optionally, the Enterprise wants to extend its LAN to the new site and provide GigE/GbE Ethernet connections.

Potential challenges

1. Running fiber optic cable is not possible due to rights-of-way issues, high cost, inability to trench, or installation delays.
2. Existing/legacy wiring cannot handle multiple high definition cameras/PTZ high bandwidth/low latency requirements.
3. Alternative wireless solutions may be prone to eavesdropping, do not provide low latency operation, are too expensive, or are not possible due to RF congestion, interference or half-duplex limitations.

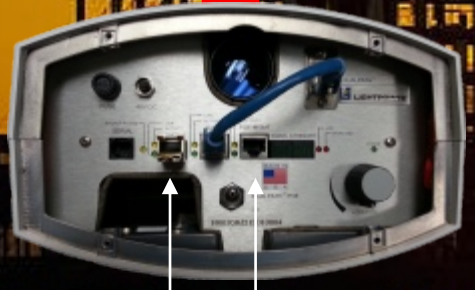
Solution

The Enterprise installs a Gigabit-capacity LightPointe 4th generation Free Space Optics bridge, providing both the capacity for HD cameras and optional LAN extension.

Benefits

1. Easy to install, and ability to deploy more cameras: No trenching and no rights-of-way issues—while providing “fat broadband pipe” for multiple HD cameras.
2. Fast installation: No delays in providing video security and network access to remote building up to ~600 meters away (~half-mile).
3. Lower costs: No recurring monthly lease-line costs. No trenching and cabling/fiber costs. License-free (no regulatory start-up or recurring fees).
4. High security: Wireless laser transmission cannot be successfully intercepted (no eavesdropping), making it the perfect counterpart to Axis advanced security products. Also, the Enterprise owns/controls their data/camera feeds (no sharing).
5. Immunity to radio frequency issues: Optics technology is immune to RF congestion and RF interference—and doesn’t require RF licensing.
6. Lowest latency possible of any wired or wireless technology, for speed-of-light transmission of security video and PTZ commands.

A highly secure wireless laser link can provide connectivity to a remote building, enabling low latency Gigabit capacity camera backhaul and optional/simultaneous LAN Extension.



NETWORK SWITCH

POE

VIDEO/CAMERA (S)

POE

Industry-leading 2-year warranty

2 YEARS

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