Enabling Wireless HD Video Surveillance

proxim ®
wireless

Proxim Video Surveillance Solutions

Institutions of all kinds - governments, shopping centers, schools, ports, military bases etc are facing immense challenges that encompass not just installing video surveillance cameras in areas that are too remote but also include the need for real-time data access to the mobile responder teams such as fire departments, law enforcement agencies and emergency medical services.

Advantages

- Eliminates the massive costs and delays of trenching for fiber
- Quickly deployed and configured - operational within hours
- High capacity, configurable and secure broadband wireless for guaranteed QoS
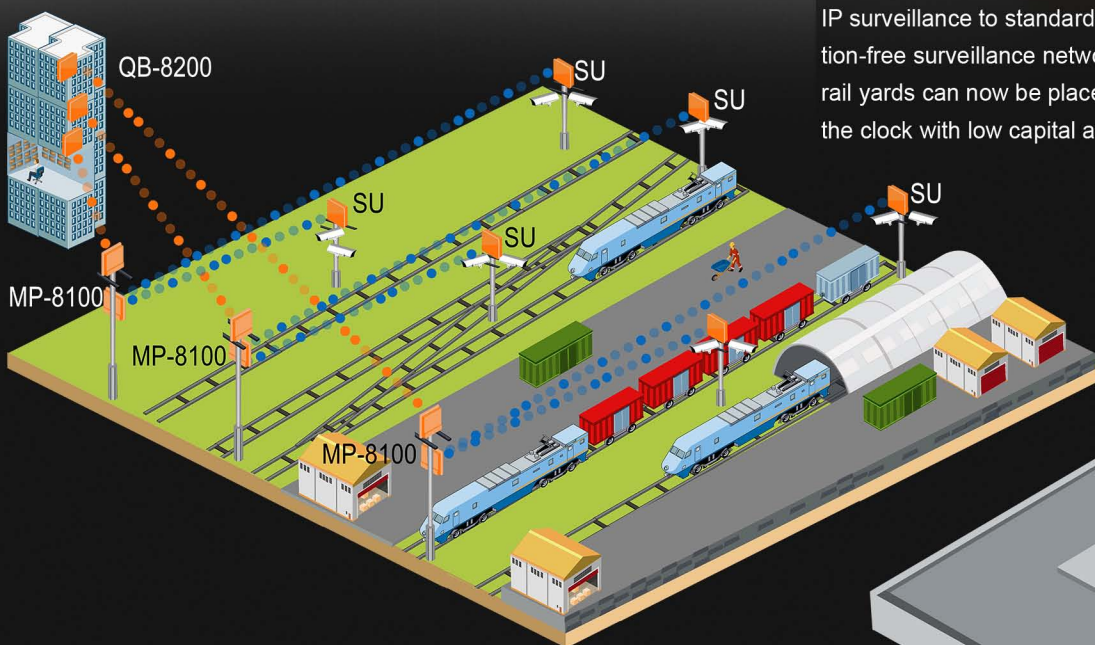
Applications

- City governments - Monitor for illegal activities and public safety
- Enterprises - Provide perimeter security for buildings, monitor inventory on warehouse loading docks and much more
- Streaming video, voice and data to emergency vehicles - even when mobile
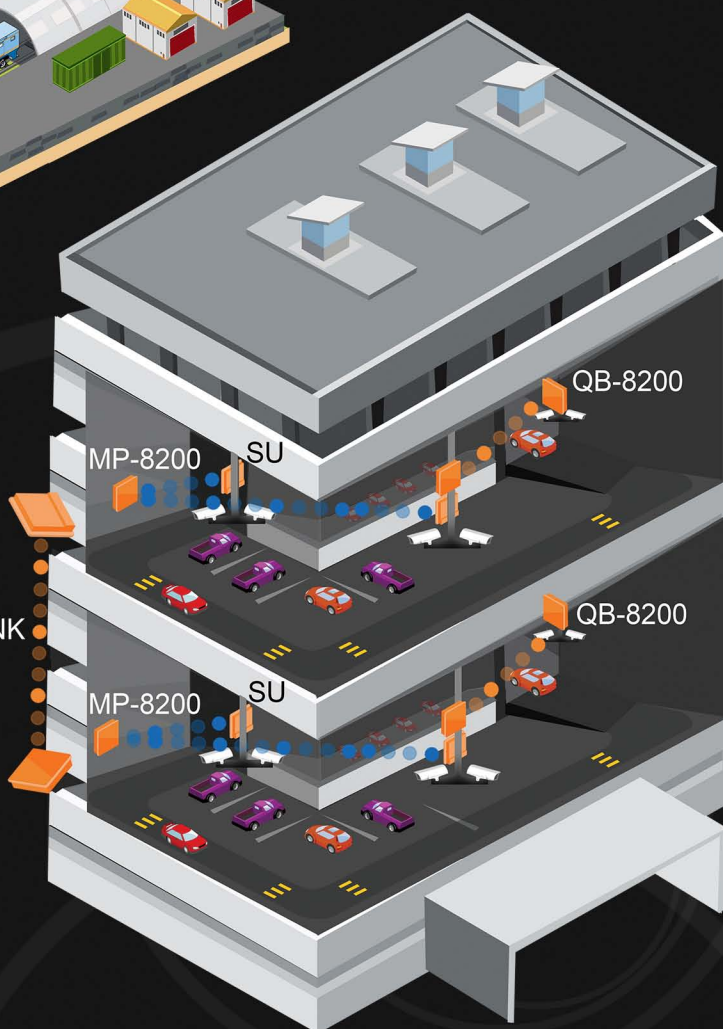
www.proxim.com

Deployments

Rail Yard Surveillance

Proxim Wireless Solutions, with its 4G plus point to point and multipoint solutions, allow a variety of cameras ranging from high definition, wireless IP surveillance to standard definition cameras to be bound into congestion-free surveillance networks. With Proxim's robust and reliable radios, rail yards can now be placed under a virtually ubiquitous "watch", round the clock with low capital and operational costs.

QB-8200

SU

SU

SU

SU

SU

MP-8100

MP-8100

MP-8100

QB-8200

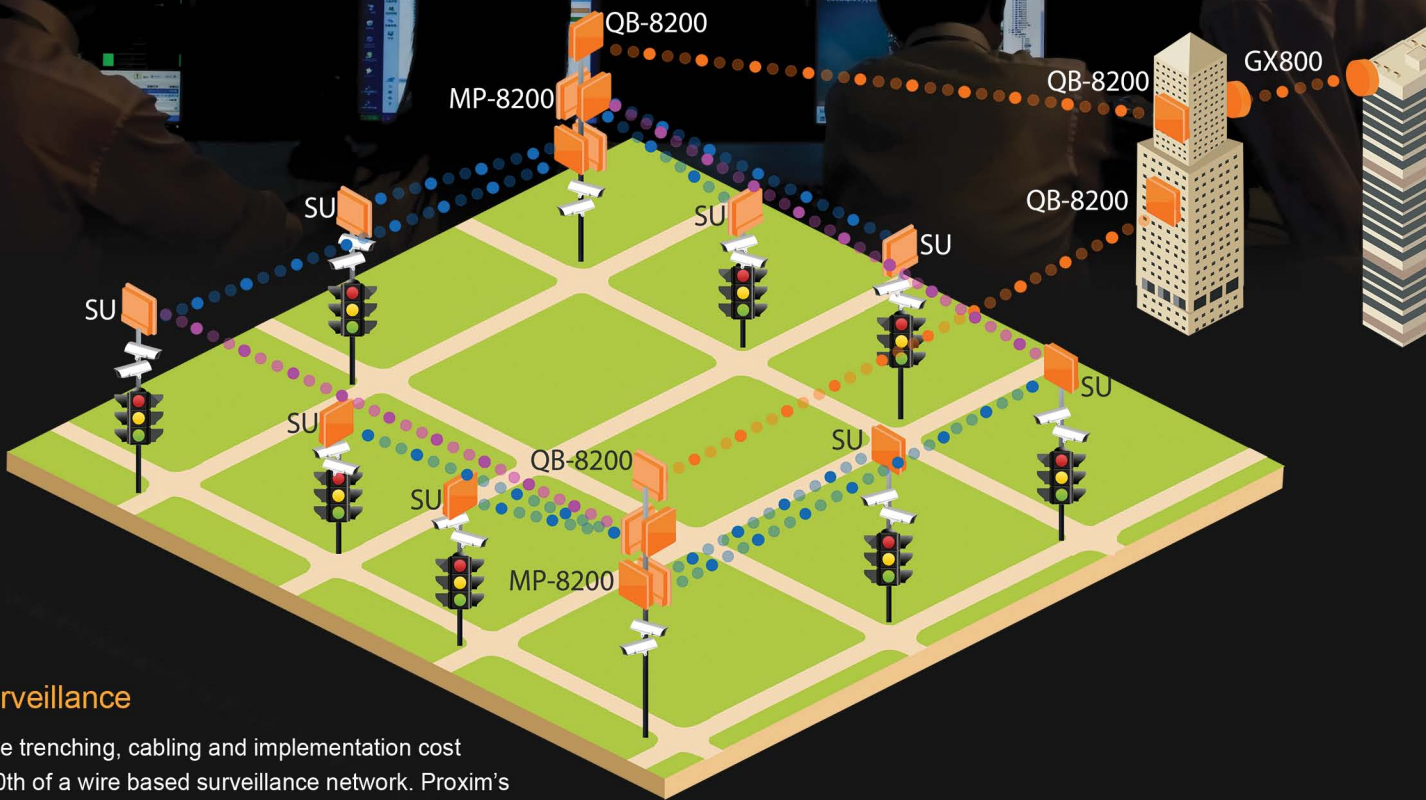MP-8200

SU

QB-8200-LNK

QB-8200

MP-8200

SU

Parking Garage

By utilizing a combination of Proxim's wireless LAN, backhaul and multi-point solutions today's parking facilities can experience high resolution surveillance networks with superior scalability at costs far less than wired solutions.
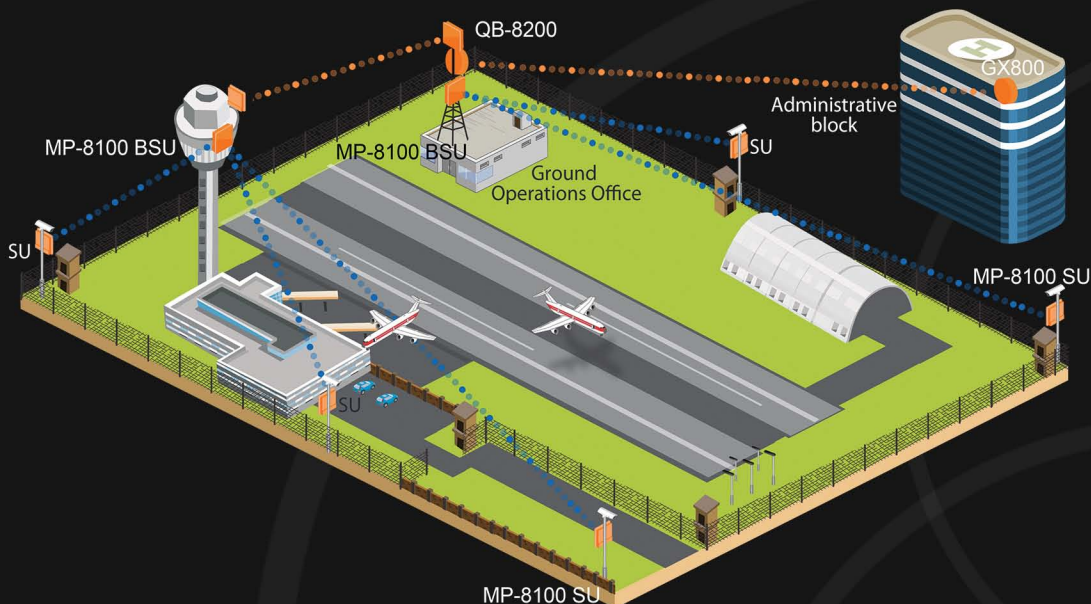
Sample
Deployments

QB-8200
MP-8200
SU
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QB-8200
SU
MP-8200
QB-8200
GX800
QB-8200
SU
SU
SU

City Wide Surveillance

With no expensive trenching, cabling and implementation cost equivalent to 1/10th of a wire based surveillance network. Proxim's wireless solutions prove to be an ideal choice for an exclusively private, city- wide surveillance network. Powered with MIMO and proprietary WORP® technology, Proxim's solutions enable high resolution, real-time video from security cameras to be transmitted to the surveillance centers where various activities and infrastructure of your city can be monitored.

QB-8200
GX800
Administrative block
MP-8100 BSU
MP-8100 BSU
SU
Ground Operations Office
SU
MP-8100 SU
SU
MP-8100 SU

Airport Surveillance

Enforced with multiple levels of redundancy, Proxim Wireless solutions connect various departments and offices within an airport in a scalable, robust network with superior uptimes/availability of 99.999%. In addition to this, Proxim's WLAN solutions provide internet access with mobility to passengers, thereby increasing the overall experience of an airport.

Mesh Vs
WORP®

WORP®	Wi-Fi Mesh
Polling Based Protocol	Contention Based Protocol
WiMAX	Ethernet
LTE	Wi-Fi
Distance measured in miles	Distance measured in meters
Designed for WAN based deployments	Designed for LAN based deployments
Base Station driven protocol using WORP®	Client driven protocol using CSMA/CA
Base Stations tells each client when they can transmit	Every client listens before transmitting
Certified installers are required	Simpler to deploy
Best performance for small to large networks	Good for small networks but doesn't scale to large networks
Less radios required	More radios
Lower latency with less hops	Higher latency
Lower cost	Higher Cost

Wireless Backhaul Portfolio

Tsunami® 8200 Series
4.9 - 5.9GHz
300Mbps
25.8 dBm

Tsunami® GX800 Series
6-23GHz
622Mbps
27 dBm

ORiNOCO® Series
802.11a,b,g,n dual radio
320Mbps
19.5 dBm

Tsunami® 8100 Series
2.3 - 6GHz
300Mbps
21 dBm

Tsunami® .11 Series
4.95 - 5.85GHz
54Mbps

proxim® wireless