PROFESSIONAL WIFI / CCTV CONNECTIVITY

LITE E16

Compact WiFi 7 radio for remote cameras

A compact 16 dBi directional radio for a camera or camera cluster, with two 2.5 GbE interfaces.

Directional radio

16 dBi antenna with dual-linear polarization.

Dual multi-gigabit ports

Two 2.5 GbE interfaces for network integration.

Compact and weatherproof

IP67 construction with PoE or DC power input.



16 dBi	2x2	2x 2.5G	IP67
ANTENNA GAIN	MIMO	ETHERNET PORTS	WEATHER PROTECTION

Bring remote cameras onto the network.

Camera connectivity

Connect an Ethernet camera or a camera cluster at a remote point.

Central aggregation

Carry camera traffic toward the surveillance network.

Directional installation

Align each remote radio with the central base station.

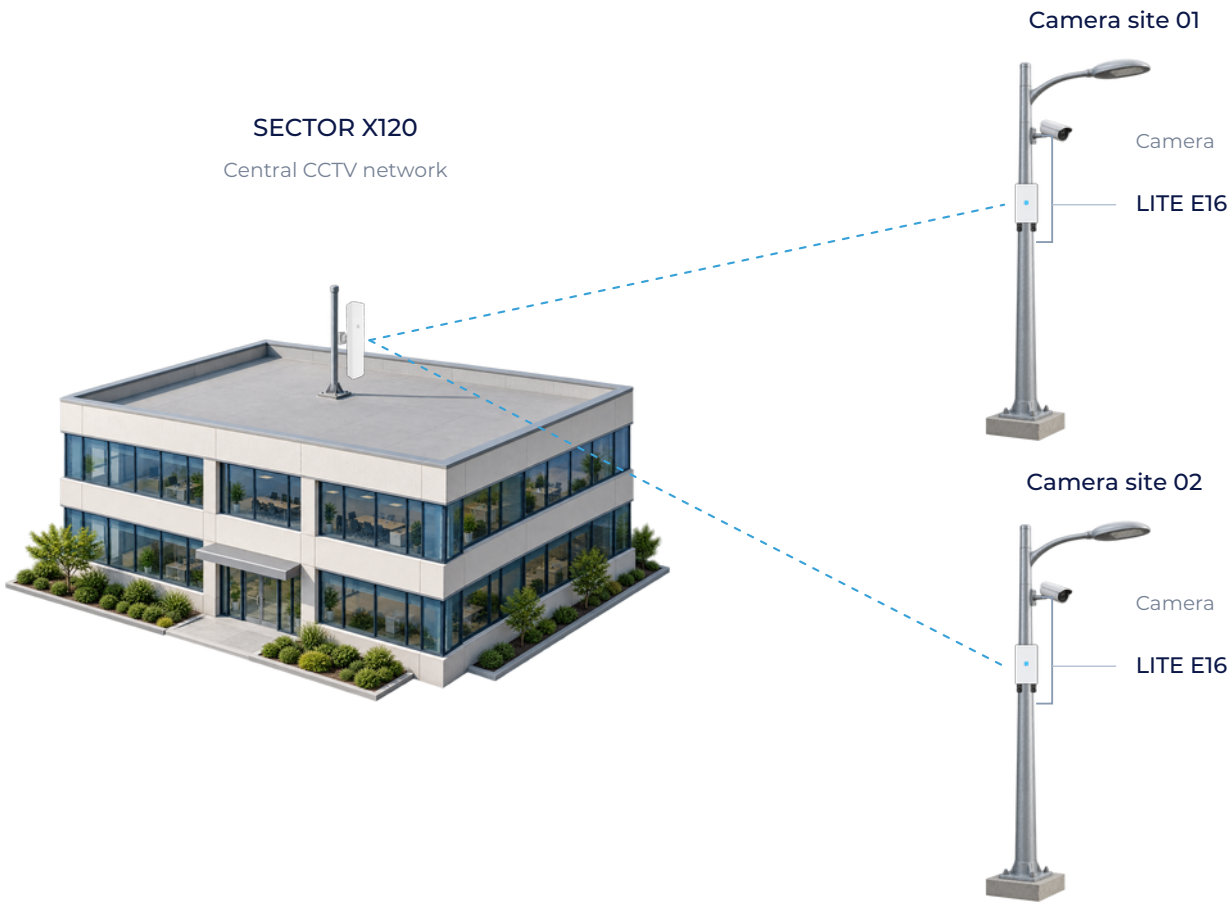
1. PHY rates are theoretical. Actual throughput and range depend on radio configuration, client equipment, line of sight and operating conditions.

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DEPLOYMENT / LITE E16

Remote cameras. One network.

Two LITE E16 camera points connect to a central SECTOR X120 base station.



Two camera points

Each LITE E16 connects an Ethernet camera at its remote location.

Central aggregation

SECTOR X120 carries the client traffic into the CCTV network.

Shared radio band

Use a compatible 5 GHz configuration across the central and client radios.

Conceptual deployment · not to scale. Camera power and local Ethernet equipment depend on the installation.

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TECHNICAL SPECIFICATIONS

LITE E16

Radio & performance

Primary application	Remote camera / camera cluster
Wireless technology	WiFi 7
Antenna	16 dBi directional
Spatial Diversity	2x2 MIMO
Variants	5 GHz or 6 GHz radio configuration
Channel width	20 / 40 / 80 / 160 / 320 MHz
Operating frequency	5.18-6.415 GHz or 5.925-7.125 GHz, according to radio version
Maximum transmit power	29 dBm
Antenna frequency range	5.15-7.125 GHz
Polarization	Dual linear
Antenna beamwidth	E-plane 40° · H-plane 18°

Hardware & power

Network interfaces	2× 2.5 GbE
Outdoor construction	IP67 enclosure
Power	PoE 22-56 V / DC 12-48 V
Maximum consumption	<15 W
Processor	Qualcomm quad-core A53 · 1.1 GHz
Surge suppression	8 kV

Mechanical & environmental

Weight	0.8 kg
Dimensions	180 × 105 × 31 mm
Operating temperature	-35 to +50°C
Mounting	Compact pole installation

Networking & management

Wireless operating modes	AP WDS · Client WDS
Network modes	Bridge · Router
Firewall	Port forwarding · DMZ · ACL filtering
Wireless security	WPA / WPA2-PSK · WPA2-PSK / WPA3-SAE · WPA3-SAE
VLAN	IEEE 802.1Q with 802.1p priority
DHCP	Server · Client
Management	HTTP / HTTPS · SNMPv1/v2/v3 · TR-069
QoS	Three priority levels; DSCP, CoS, VLAN, IP and MAC classification
ARQ	Supported

Ordering information

Model	LITE E16
Package contents	Available on request

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