MuxLab

Overview

The CCTV IP Extender Kit (500110) allows any CCTV IP camera to be connected over extended distance via Cat5e or coax cable. The 500110 supports up to two IP cameras up to 650 ft (200m) at 100 Mbps and up to 1 mile (1.6km) at 25Mbps.

Applications

Campus, highways, airports, hotels, casinos, commercial complexes, remote parking lots, entry gates, self-storage, hospitals, car dealerships, prisons

Benefits

Plug-and-forget - eliminates service calls
Leverages existing coax or Cat5e/6 installations

Features

Extend distance between IP camera and 10/100BaseT LAN
Supports up to two (2) IP cameras
via coax or Cat5e/6 (1 twisted pair)
Up to 650 ft (200m) @ 100Mbps
Up to 1 mile (1.6 km) @ 25Mbps

Specifications	
Environment	CCTV IP
Devices	CCTV IP cameras, NVR, IP encoders, network switches and any device with a 10/100Mb/s Ethernet port, supporting IP.
Transmission	Transparent to the user
Standard supported	Ethernet: IEEE 802.3 10BaseT, IEEE 802.3U 100Base-TX, IP ver 4 and 6. Line side: VDSL-DMT: ITU-T G993.1 VDSL, ITU-T G997.1, G.993.2 VDSL2 (profile 17a).
Maximum Distance versus Speed (Asymetric-Downstream/Upstream)	Cat5e/6 5000ft (1.5km) => 17Mb/s 1.2Mb/s 4000ft (1.2km) => 22Mb/s 5.3Mb/s 3000ft (.9km) => 28Mb/s 10Mb/s 2000ft (.6km) => 34Mb/s 21Mb/s 1000ft (.3km) => 44Mb/s 31Mb/s RG59/U 20AWG Coax 5000ft (1.5km) => 31Mb/s 14Mb/s 4000ft (1.2km) => 39Mb/s 21Mb/s 3000ft (.9km) => 39Mb/s 26Mb/s 2000ft (.6km) => 44Mb/s 28Mb/s 1000ft (.3km) => 44Mb/s 31Mb/s With two (2) cameras connected, maximum distance depends on throughput/resolution/compression ratio of the camera; 5 to 25Mbps per camera
Cable between unit	Coax 75 ohm or Cat5e/6 twisted-pair. AWG24 or better.
Cable between Ethernet port	10Mb/s: CAT3, 4 or 5 UTP up to 100m (330ft). 100Mb/s: CAT5, 5E or 6 UTP up to 100m (330ft).
LED Indicators	Power, Link, Ethernet: 10/100 Mbps, Ethernet: Activity
Connectors	One isolated BNC 75 ohm female to connect remote unit. One isolated RJ45 to connect remote unit. One or two metallic RJ45 with leds for Ethernet with auto reversal. One power connector, 2mm.
Pin Configuration *(polarity insensitive)*	RJ45 connector: Pin 4 & Pin 5 (1 pair required only, blue and white/blue) BNC**:** 75 ohms coax cable: Center & Shield (shield is isolated from chassis)
Cables for Ethernet port	One or two Cat 5e/6 twisted pair cables required (straight or crossover). *(Not incl)*
Power Supplies *(Included)*	100-240V/5VDC/625mA. Two power supplies with for NA, Eur and UK.
Power Consumption	1.2 Watts each unit
Temperature	Operating: 0° to 60°C Storage: -55° to 85°C Humidity: Up to 95% non-cond.
Enclosure	Plastic
Dimensions	4.50" x 3.0" x 1.25" (11.4 x 7.6 x 3.2 cm)
Weight	1 lb. (0.5 kg)
Compliance	Regulatory: FCC, CE, RoHS, Flammability: 94V0
Warranty	2 years
Ordering Information	500110 CCTV IP Extender Kit.

Typical Application

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