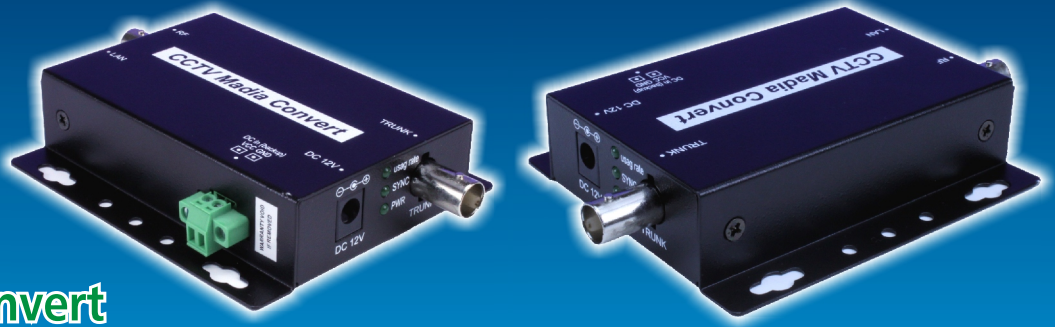


MLS-321-M/C

CCTV Media Convert



Description

MLS-321-M/C is CCTV Media Convert. It's will allow Ethernet and CVBS (Composite Video Broadcast Signal) connectivity in existing facilities without pulling extra cable(max. over 600 meters) to provide both functions.

[To installation Ethernet cable had length of 100 meters distance limitation, over long distances also takes another Ethernet repeaters to ensure that modulate Ethernet signal quality].

[Provisioning CCD-point line distance limit of 300 meters (168 series 5C-FB), over long distances need to separately install the amplifier to ensure signal quality to monitor].

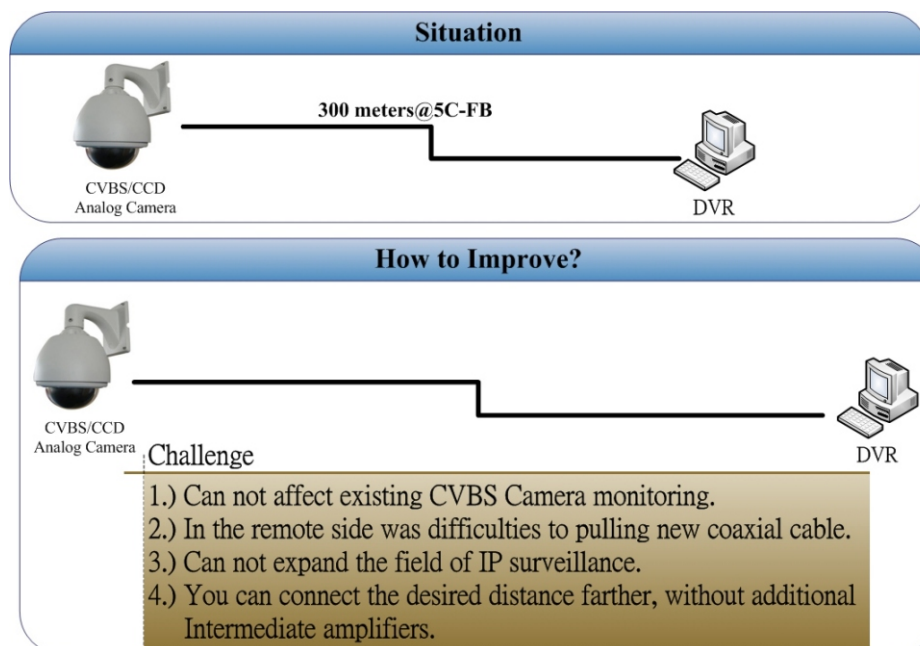
『 Without pulling extra cable 』 MLS-321-M/C allow using exist coaxial cable to provide Ethernet connective function. It's will provide the remote site to install new 1080P or 4K2K IP camera enough Ethernet bandwidth.

Key features

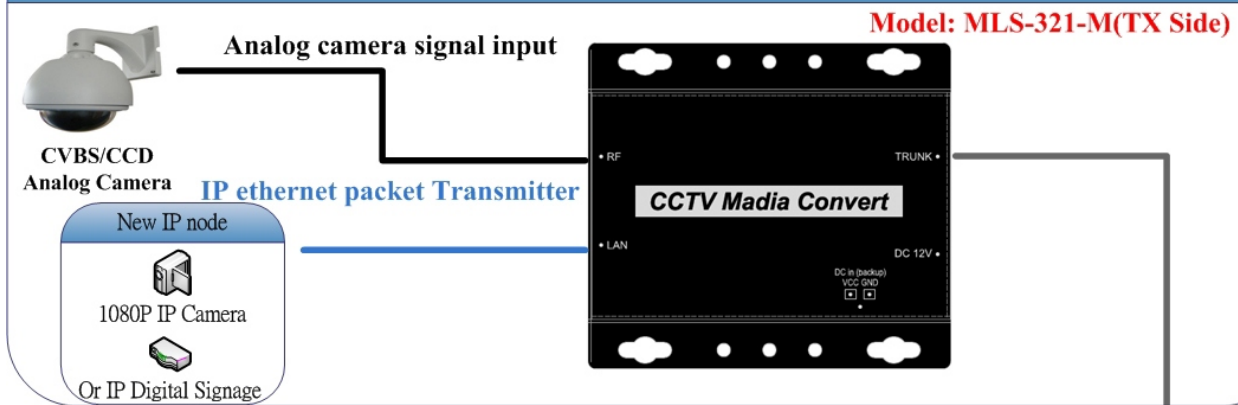
- ◆ Transmission speed is automatically adapted to adjust : 600 meters (1,969 feet) distance, the transmission speed of up to 38/12Mbps.
- ◆ Plug and Play design for simple installation, single DIP switch selectable for configuration.
- ◆ Operates transparent to high layer protocols such as TCP/IP and VLAN tagging.
- ◆ Auto-MDIX and Auto-sensing 10Base-T or 100Base-TX and Full or Half-Duplex on the Ethernet port.
- ◆ Status LEDs for simple monitoring of the device and connection status.

Applications

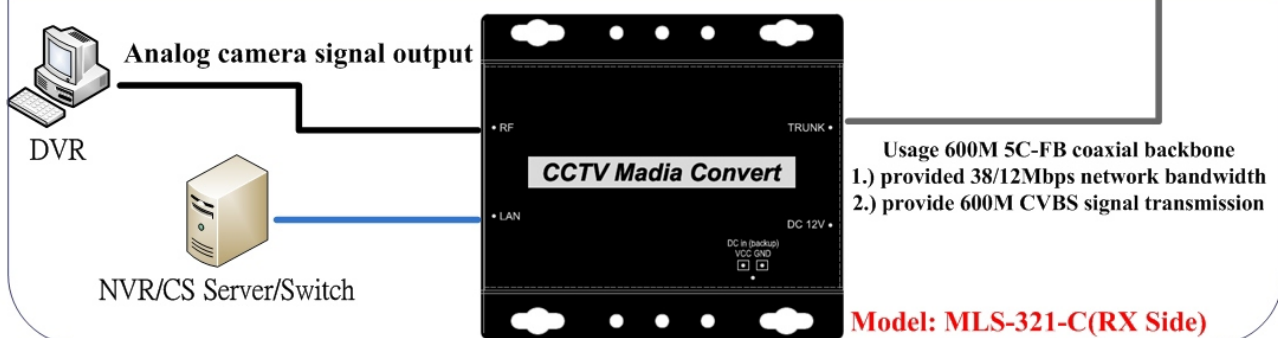
- ◆ Use existing CCTV coaxial cable to extend the Ethernet network in different places.
- ◆ Use existing CCTV coaxial cable to add 1080P IP surveillance network interconnection extending in two different places.
- ◆ Use existing CCTV coaxial cable simultaneously transmit CVBS video surveillance and IP traffic control.



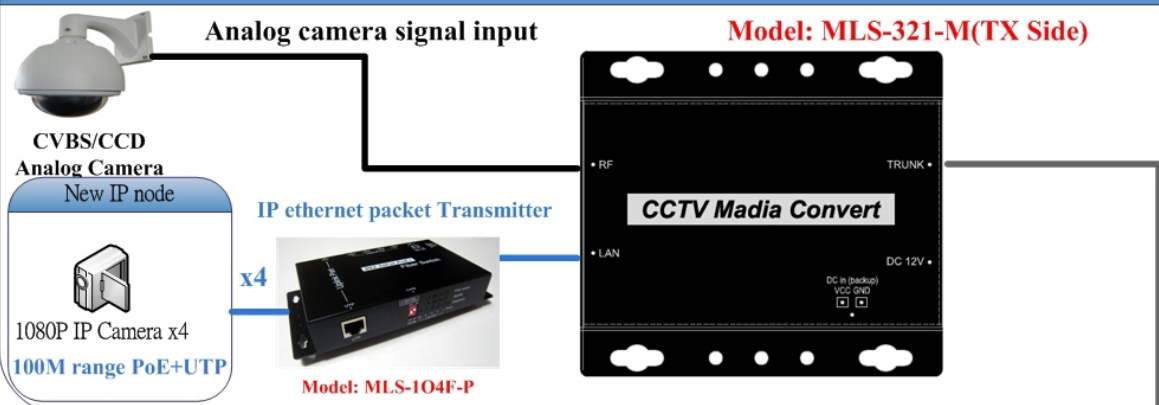
Solution 1 – Remote Camera Transmitter side



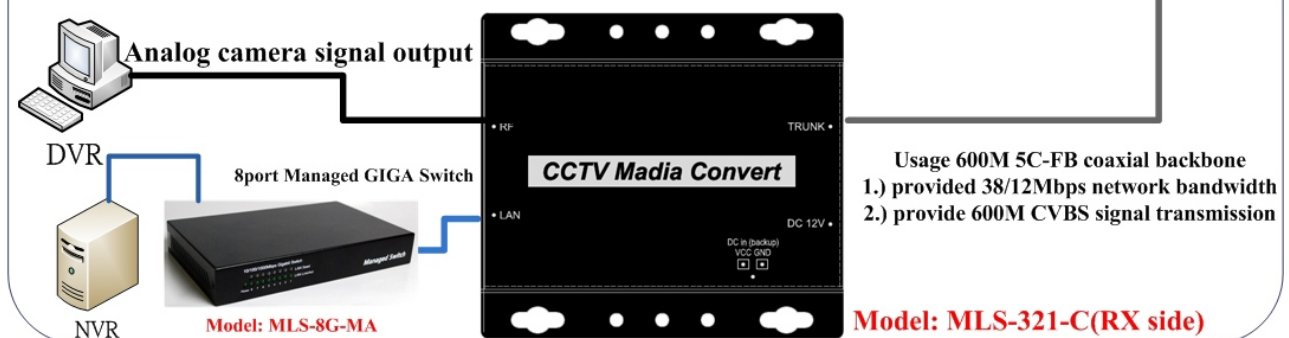
Solution 1 – Local Secure Center



Solution 2 – Remote Camera Transmitter side + PoE solution



Solution 2 – Local Secure Center



Product Model	MLS-321-M/C, CCTV Media Convert
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Technical Specifications**Hardware**

Connectors :	1x 10/100 Base-T RJ45 TP 1x BNC RF I/O (CVBS IN/OUT) 1x BNC TRUNK 2 PIN DC IN (PWR 1) 2 PIN DC IN (PWR 2) Terminal Block
Indicators :	Power LED SYNC LED usage rate LED LAN Link/Act LED
DIP Switch Functionality :	1: ON (Default) 2: ON (Default)
Power Protection : (Surge)	IEC 61000-4-2 level 4 (ESD) , 15 kV (air discharge), 8kV (contact discharge) IEC-61000-4-5 MIL STD 883G, method 3015-7 Clas 3B, -25kV HBM(human body model)
Installation :	Wall Mount ear
Dimension :	125mm(W) x 86mm(D) x 23mm(H)
Weight :	185g
Power Requirement :	External Power Supply : DC/12V 1A System Power Consumption : < 2.25 Watts

Ethernet Specification

Network Standards :	IEEE802.3 10BASE-T, 10Mbit/s IEEE802.3u 100BASE-TX/100BASE-FX, 100Mbit/s, Auto-negotiation IEEE802.3x Full Duplex and Flow Control MDI/MDI-X Auto Crossover
Switch Processing Scheme :	Store and Forward
Address Table :	Support 1K MAC address entries
Flow Control :	Back pressure for half duplex IEEE 802.3x Pause Frame for full duplex
Transmission Speed and Distance :	Up to 38/12Mbps@600 meters (168 series 5C-FB)
Maximum Transmit Unit :	1500 byte
Emissions Compliance :	FCC part 15 Class B, CE Mark
Stability Testing :	IEC60068-2-32(Free fall) IEC60068-2-27(Shock) IEC60068-2-6(Vibration)
Emissions Compliance :	Operating Temperature : -10°C ~ 70°C (14°F ~ 158°F) Storage Temperature : -20°C ~ 85°C (-4°F ~ 185°F) Operating Humidity : 10% ~ 90%, Non-condensing
MTBF :	65,000 HR (25°C)

Ordering Information

MLS-321-M	Steel Case, CCTV and Ethernet Media Convert (TX Side)
MLS-321-C	Steel Case, CCTV and Ethernet Media Convert (RX Side)
MLS-321-M/C	Steel Case, CCTV and Ethernet Media Convert (T/RX Twin pack.)

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