



## Product Description

The Vi-Link MC12 is the high-performance Ethernet-over-Coaxial extender that converts between coaxial cable for every kind of IP Ethernet application.

It offers the absolutely fastest data transmission speed over existing coaxial cable without the need of rewiring. On the UTP side, the MC12 uses a modular EIA / TIA 568 RJ-45 connector that supports CAT-5/5e or above wiring with the distance up to 100 meters (328 feet). On the coaxial cable side, the MC12 utilizes a BNC connector that supports 50ohm or 75ohm coaxial cable with the distance up to 2km.

It is ideal for extending the distance and signal conversion by transmitting the Ethernet data from the coaxial cable for any type of IP network device such as IP camera, wireless access point, NVR and digital signal.

## Features

- Port Transmission Speed Up To 200Mbps
- Valid Data Flowing Rate Up To 80Mbps
- Coaxial Transmission Distance Up To 2 Km
- 10/100M Base-T RJ45
- Support QAM 16/64/256/1024, DQPSK, DBPSK and ROBO modulation technology.
- Support conformability transmission QoS, Multi cast and IGMP
- Adopt 128bits AES data encryption and Key management
- Adopt Peer-to-peer network framework
- Plug and Play
- Temperature: NEMA

## Applications

- ITS Traffic Applications
- SCADA Networks
- Metro Networks
- Gas & Oil Fields Monitoring Applications
- Railroad Networks
- Military Applications
- Data Acquisition Applications

## Ordering Information

Model	Descriptions
MC12	Coaxial Ethernet Media Converter, 1 x 100M BNC, 2 Km, 1 x 10/100M-TX RJ45 , +12 VDC

## Network TV Equipment Series

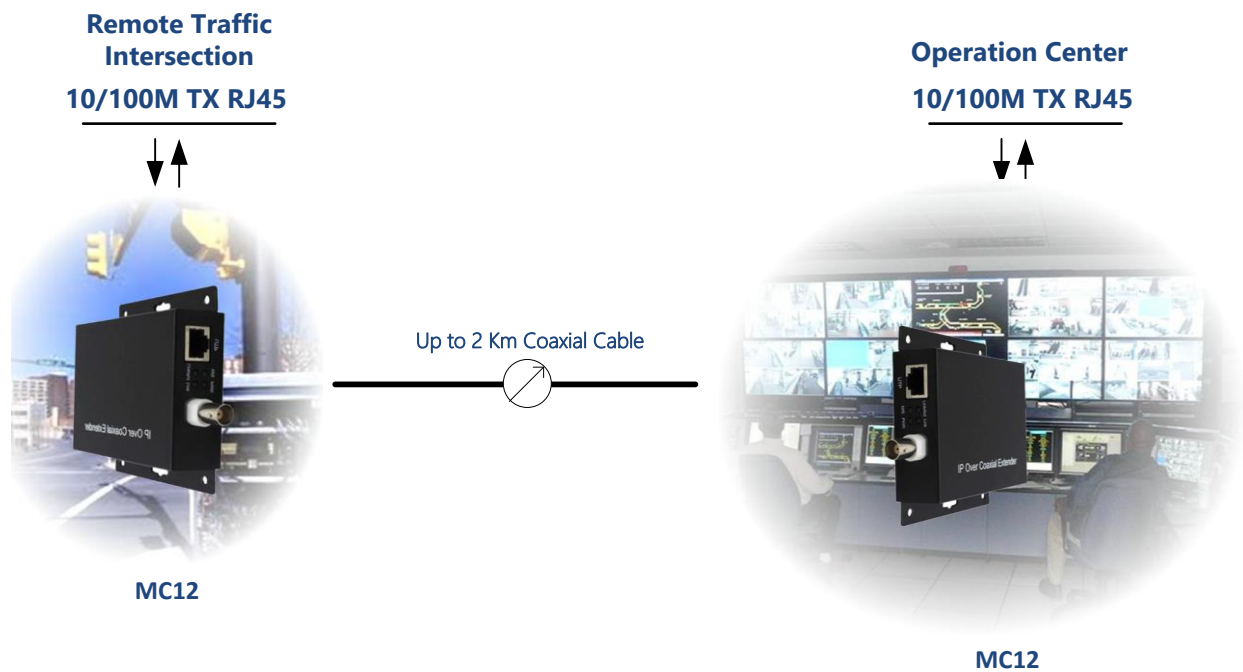
Model MC12

<b>System:</b>	
Network Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-T IEEE 802.3at
LED Indicators	PWR, LINK, ACT, Coaxial
Security Technology	128-DES Data Encryption
Operating System	Window, Mac, Linux
<b>Environment:</b>	
Operating	-34 <sup>0</sup> C to +74 <sup>0</sup> C
Storage	-40 <sup>0</sup> C to +85 <sup>0</sup> C
Humidity	98% Non-Condensing
<b>Physical:</b>	
Dimension	4" x 2.6" x 1"
Power	+12 VDC @ 1 Amp

<b>TX Interface:</b>	
Port	1 RJ45
Data Rate	10/100 Mbps
TX Port	Auto-MDI/MDIX
Transmission Mode	Half/Full Duplex
Frame Size	1522 Bytes Max
Distance	100 Meters @Cat5/Cat6

<b>Coaxial Interface:</b>	
Port	1 x 75 Ohms BNC
Transmission Rate	200 Mbps
Transmission Band	2MHz to 28MHz
Transmission Distance	2 KM

## Application



### Typical MC12 In Traffic Monitoring Application