Ethernet over Coaxial Converter

Plug & Play

Wall Mountable

6KV Lightning Protection

Key Features:

- 1 Port BNC Interface and 1 Port 10/100M RJ45 interface
- Used to replace IP cameras with analog cameras, no need to replace cables
- One 10/100Mbps RJ-45 port, Auto-Negotiation and Auto-MDI/MDI-X
- Advantage of minimum installation time (Simply as Plug-and-Play)
- Complies with IEEE 802.3, 10Base-T, IEEE 802.3u, 100Base-TX, Flow control Ethernet standards
- Compact in size, easy installation

Cost-Effective Infrastructure Upgrade

The EOC200 Ethernet over Coaxial converters allow organizations to leverage existing coaxial cable infrastructure, eliminating the need for costly rewiring or new installations. This reduces overall project costs, particularly in large or older buildings where Ethernet cabling might be challenging to deploy. The ability to use existing coaxial cables for Ethernet transmission makes the converter a budget-friendly solution for upgrading network capabilities without incurring the high expenses associated with new cabling.

Extended Transmission Distance

Standard Ethernet cables are limited to 100 meters of transmission distance, but BENCHU GROUP'S EOC200 can extend this range significantly, up to 2 kilometers. This makes them ideal for applications requiring long-distance connectivity, such as in sprawling campuses, remote surveillance installations, or industrial sites. The extended range provides greater flexibility in network design and ensures reliable communication over longer distances without the need for repeaters or additional network equipment.

Ease of Installation

The EOC200 simplify network upgrades by utilizing existing coaxial cables. Installation is straightforward, with minimal disruption to the current setup. This ease of installation is particularly beneficial in scenarios where maintaining the integrity of the existing infrastructure is crucial, such as in heritage buildings or critical facilities. The plug-and-play nature of these converters reduces installation time and complexity, enabling faster deployment and minimizing downtime.

EOC-200

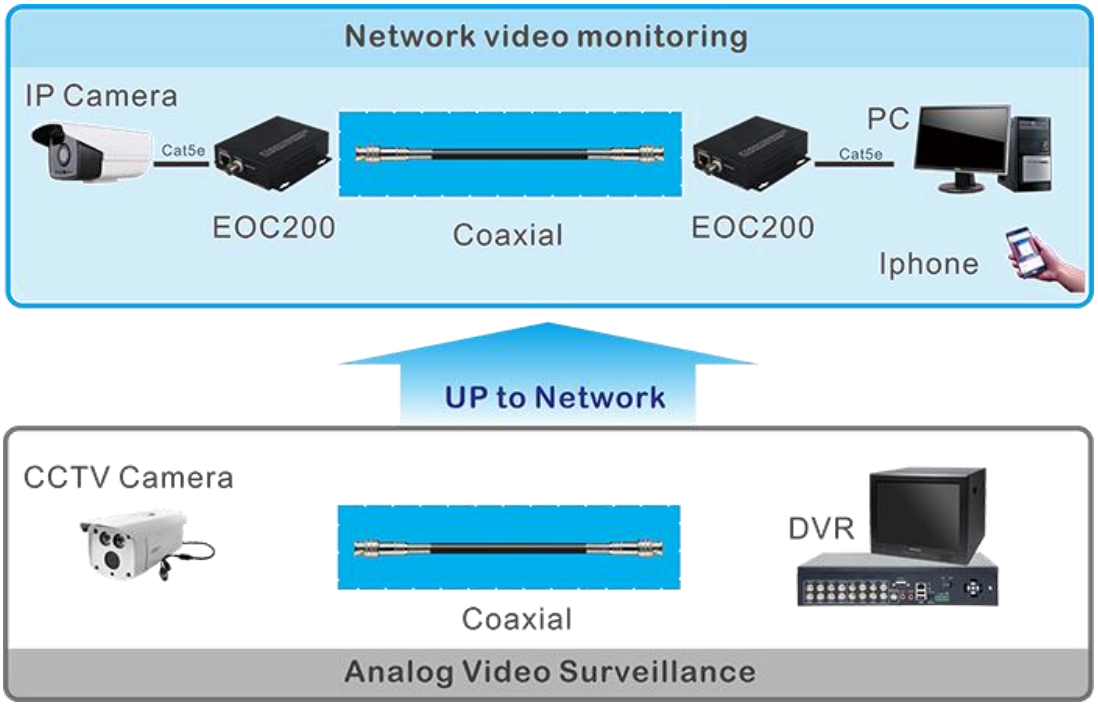
Ethernet over coaxial converter

Technical Datasheet

Model	EOC-200
Hardware Specifications	
Ports	• 10/100Base-TX：1 RJ-45, Auto-Negotiation and Auto-MDI/MDI-X • 1*BNC interface
DIP Switch & Functionality	• 2 position DIP switch • CO / CPE mode select
Encoding	• IEEE P1901 • LDPC-C FEC with 128-bit AES
LED Indicators	• Power • 1 for coaxial - Link • 1 for LAN port - Link/ACT
Cabling	• Ethernet 10Base-T: 2-pair UTP Cat.3,4,5 up to 100m (328ft) 100Base-TX: 2-pair UTP Cat.5, up to 100m (328ft) • Coaxial cable SYV75-5 cable can transmit up to 2Km
Performance* (Downstream / Upstream)	• 400m -> 92/52Mbps • 600m -> 81/36Mbps • 1000m -> 74/19Mbps • 1200m -> 69/9Mbps • 1400m -> 50/6Mbps • 2000m -> 30/2Mbps
Power Requirements	12V DC, 1A (Adaptor excluded)
Power Consumption	3 Watts
Dimensions (W x D x H)	95 x 92 x 26 mm
Weight	0.3Kg
Environment	
Operating	Temperature: -20~ 70 degrees C; Relative Humidity: 10 ~ 90% (non-condensing)
Storage	Temperature: -40 ~ 85 degrees C; Relative Humidity: 5 ~ 95% (non-condensing)
Standard Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE P1901

The actual data rate will vary on the quality of the Coaxial cable and environment factors.

Applications



Ordering Information	
EOC-200	Ethernet over coaxial converter,1*10/100M RJ45 Port and 1*BNC Port, SYV75-5 cable can transmit up to 2Km

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