XSNET 3100EOC
10/100/1000Base-TX Ethernet over Coax Adapter

Revision History

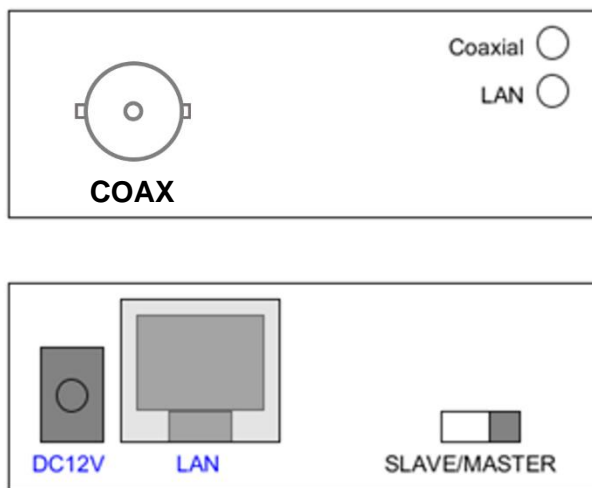| Rev	Date	Originator	Comment
2.0	2018-12-07		Initial Version
2.1	2019-07-04		Update description

Product Brief

1.1 Product Brief

XSNET 3100EOC is fully complying with IEEE P1901 standard, support HD video and high-speed data transmission over twisted pair. Its advantages include long distance transmission, high MAC data throughput, multimedia support, and various topology configurations.

1.2 Product Interface

Panel I

> Coax BCN (75Ω) for the ethernet over coax connection.

> Two LED indicators:

> o **Coaxial**: Physical link connectivity indicator: indicator light is on and solid after adapter setup connection over 2-wire.

> o **LAN**: Ethernet connectivity/activity indicator: when an Ethernet connection has been established, the indicator light will be solid; when data is transmitted on the Ethernet connection, the indicator light will blink.

Panel II

> **DC 12V IN:** 12V DC power supply.

> **LAN:** Ethernet port.

> **SLAVE/MASTER Switch:** Switch Slave/Master role, must power cycle adapter to make new role take effect.

1.3 Installation

There should be only one Master in a domain, however multiple Slaves are allowed.

2 Network Topology
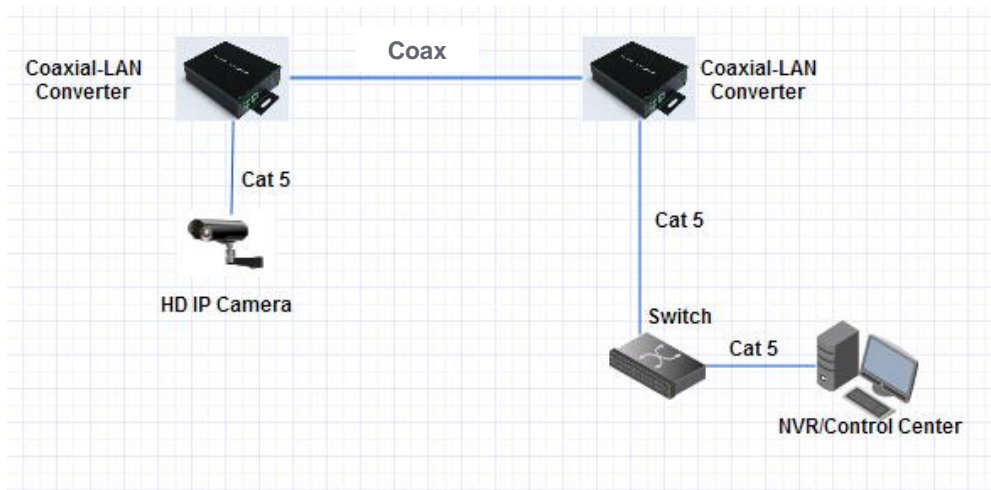
2.1 Topology with Single Domain

Figure 2-1: Example of topology with single domain (one Master, one Slave)
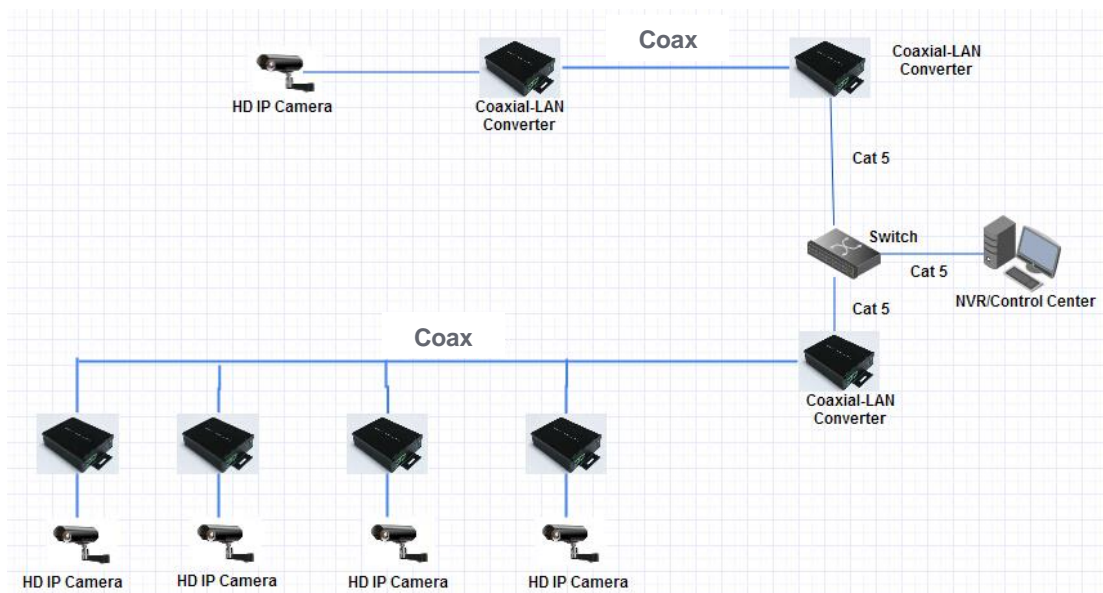
2.2 Topology with Multiple Domains

Figure 2-2: Example of topology with two domains (Upper domain: one Master, one Slave; Lower domain: one Master, four Slaves)

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