8 Channel Passive BALUN Transceivers

Product Datasheet

Waterproof ABS Model

Screw-BNC/F Model

RJ45-BNC/F Model

BNC/M Pigtail-Screw Terminal Model

BNC/M Pigtail-RJ45 Model

Hum Bar Rejection Anti-jamming Video BALUN Transceivers

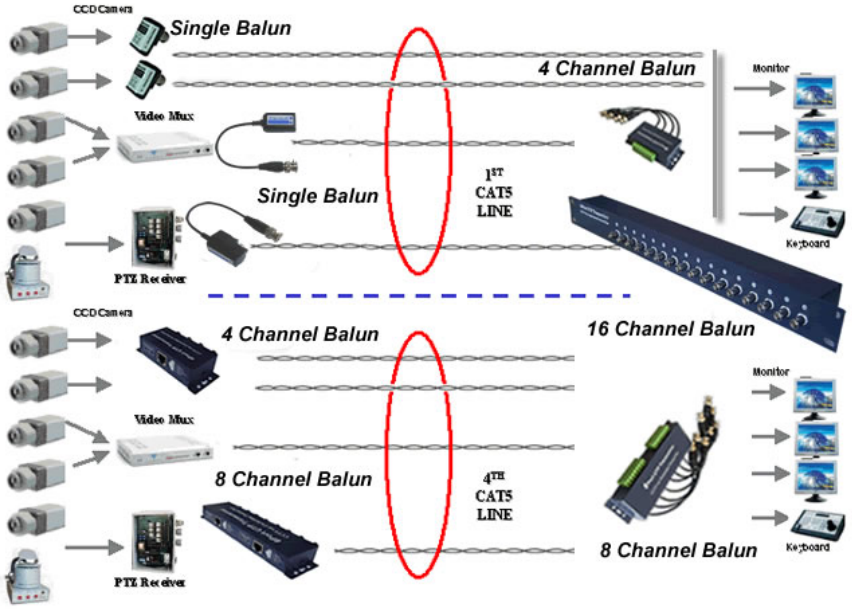
Video Transceiver Introduction

The 5 different model of 8 channel Video Transceivers are passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Unshielded Twisted-Pair (UTP) telephone wire. Baseband (composite) signals of any type are supported."Up-the-coax" type P/T/Z signals may be sent over the same wire pair.The unparalleled interference rejection and low emissions of the 4channel Balun transceivers allow video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in transient protection, damaging voltage spike problems are eliminated.
The 5 channel passive CAT5E video transceiver BALUNs have water proof ABS plastic case with female BNC and screw terminal connector, metal case with female BNC connector and RJ45/terminal screw socket , and metal case with 180mm coax cable pig tail female BNC and RJ45/screw terminal connector 5 different models.

Equipment Specifications

Cable Distance：Up to 2000ft Transmitter-Receive UTP Cat 5E or better.
Point to point transmission of real-time PAL, NTSC or SECAM CVBS video signal.
Transient protection, ESD protection, damaging voltage spike problems is eliminated.

CAT5 Video Transceiver System Configuration Diagram



Technical Specifications

- Video Frequency Response: DC to 6 MHz
- Common-mode/Differential-mode Rejection:15KHz to 5 MHz, 55 dB typical.
- Loop Return Loss: over 15dB
- Line Impedance: Female/Male BNC 75 ohms, CAT5 line, Terminal 100 ohms.
- Wire Type: One Unshielded Twisted Pair 24-16 AWG (0.5-1.31mm). Category Type Cat 5 or better. Impedance 100±20 ohms.
- DC Loop Resistance 52ohms per 1,000 ft (18 ohms per 100m).
- Differential Capacitance 19pF/ft max (62pF/m max).
- Power Supply: No external power required

Environmental

Temperature : -20°C to +65°C.
Humidity (non-condensing) : 0 to 95%.

Transient Immunity Per ANSI/IEEE 587 C62.41