

16 Channel Passive CAT5 VIDEO Transceivers

OPERATION MANUAL



Screw Terminal Connector



Water Proof Model



Screw Terminal/RJ45 Dual Connector



16CH Passive Balun Transceiver



RJ45/BNC-F Connector



Screw Terminal/BNC-F Connector

16 Channel Passive CAT5E Video Transceivers, Hum Bar Rejection Anti-jamming Video BALUNs

Video Transceiver Introduction

The three model CAT5 16 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) signal of any type are supported. "Up-the-coax" type P/T/Z signals may be sent over the same wire pair. Used as a receiver, the three model 16channel Balun Transceivers are fully compatible with qualified OEM cameras that are equipped with twisted-pair output.

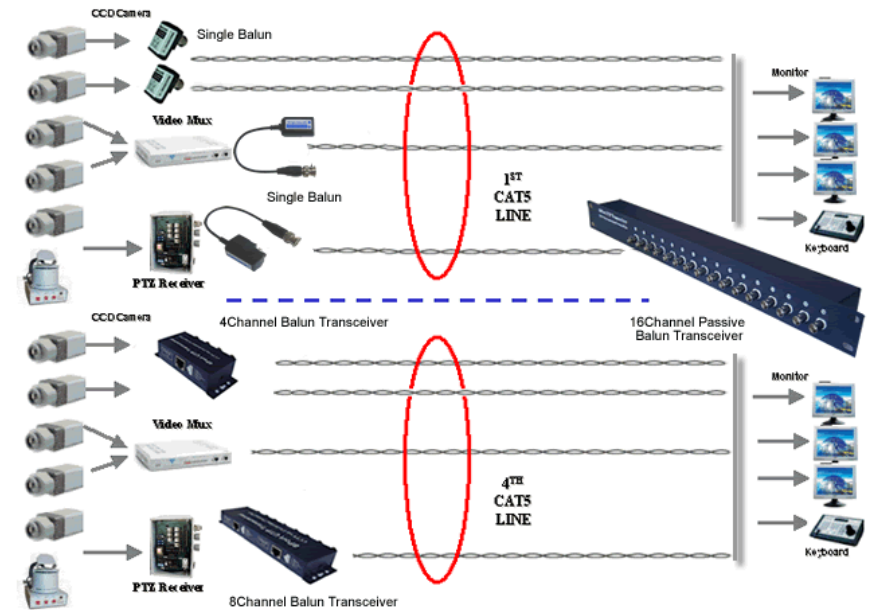
The unparalleled interference rejection and low emissions of the 16channel transceivers allow video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in transient protection, damaging voltage spike problems are eliminated.

The 16 channel passive CAT5 video BALUN transceivers have in water proof ABS plastic case with female BNC and screw terminal connector, terminal screw block & RJ45 dual mode connector model, terminal screw block connector model, RJ45 connector model with industrial standard 19" 1U mount rack housing.

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.

16Channel 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 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

Mechanical

Dimensions: 145X115X46 mm for water proof model, 19" 1U for metal rack housing.
Material: Water proof model -grey ABS case, metal rack housing.