

## 16-32 Channel Passive CAT5 VIDEO Transceivers

# Product Datasheet



16CH Screw Connector



Water Proof Model



Screw/RJ45 Dual Mode 1U19"



32CH RJ45-BNC/F 1U 19" Model



RJ45/BNC-F 1U 19" Model



Screw/BNC-F 1U 19" Model

### 16-32 Channel Passive Balun Transceivers, Hum Bar Rejection Anti-jamming

## Video Transceiver Introduction

The different model CAT5 16/32 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 16/32 channel 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.

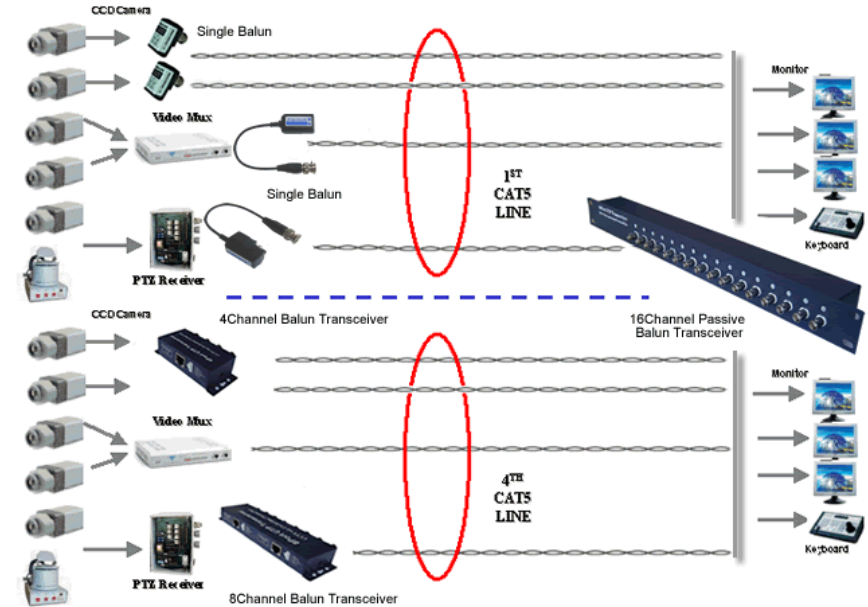
The 16/32 channel passive CAT5 video BALUN transceivers have in 16channel water proof ABS plastic case with female BNC and screw terminal connector, terminal screw block & RJ45 dual mode connector model, terminal screw block connector model, RJ45 connector model with industrial standard 19" 1U mount 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.