

32 Channel Passive CAT5 VIDEO Transceiver

OPERATION MANUAL



UST132RP Front

UST132RP Rear

[32 Channel Passive CAT5E Video Transceiver](#)

[Hum Bar Rejective Anti-jamming Video BALUN](#)

Video Transceiver Introduction

The UST132RP CAT5E 32 Channel Video Transceiver is 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. Used as a receiver, the UST132RP is fully compatible with qualified OEM cameras that are equipped with an Elinx twisted-pair output.

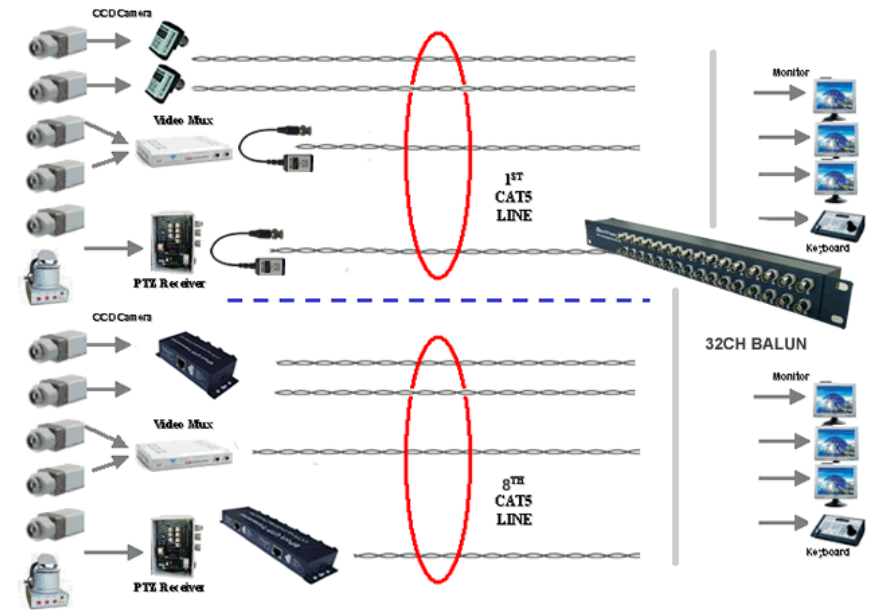
The unparalleled interference rejection and low emissions of the Model UST132RP allow video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in transient protection, damaging voltage spike problems are eliminated.

The 32 channel passive CAT5E video transceiver BALUN of the UST132RP has in metal case with female BNC connector and 8x RJ45 sockets model.

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 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: 19" 1U Metal Housing
Material: UST132RP metal case.