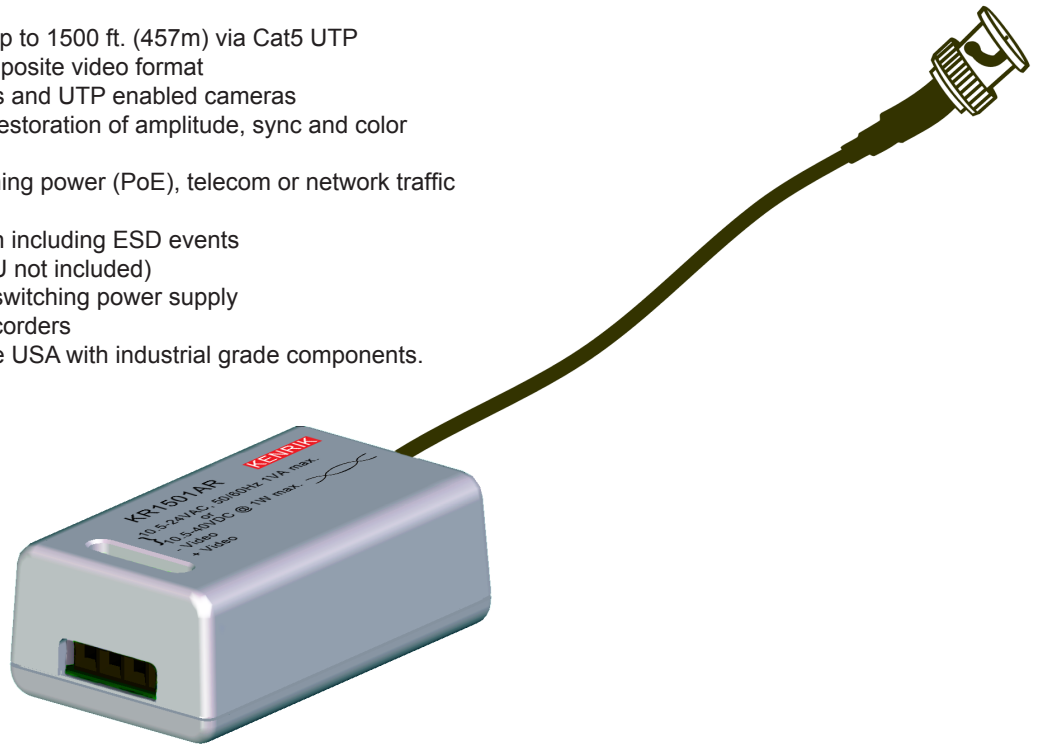


## COMPACT SINGLE-CHANNEL ACTIVE UTP VIDEO RECEIVER

### Features

- High quality reconstructed video up to 1500 ft. (457m) via Cat5 UTP
- Live NTSC, PAL and SECAM composite video format
- Compatible with all passive baluns and UTP enabled cameras
- Highly effective equalization and restoration of amplitude, sync and color
- Exceptional interference rejection
- Accepts UTP wire bundles containing power (PoE), telecom or network traffic
- Hum bar blocking
- Built-in transient (surge) protection including ESD events
- Wide range of power options (PSU not included)
- High efficiency (internal) isolated switching power supply
- Ideally suited for Digital Video Recorders
- Designed and manufactured in the USA with industrial grade components.



### Overview

The Kenrik KR1501AR is a durable, high quality single-channel active receiver that accepts real-time color or monochrome composite (CCTV) video transmitted over unshielded twisted pair (UTP) cable from any passive balun or UTP enabled camera up to 1,500 feet. Because of its high-grade components and extensive signal conditioning, the KR1501AR provides exceptional interference rejection as well as highly effective equalization and restoration of amplitude, sync, and color.

The KR1501AR is designed to provide stable and reliable high quality video to an individual channel of video that is either experiencing an unusually high amount of interference such as RFI or EMI, a distant camera over 1,000 feet away or a digital device such as a DVR/NVR, digital encoder or a flat panel display that requires above average video quality.

### Advantages

An LED video indicator is provided to ensure properly working video. 100-ohm video enters the unit by connecting the UTP wires to the screw terminals. After the video signal is fully equalized, amplified and balanced, the camera-quality video is delivered at 75-ohm 1Vp-p rating through male BNC connector on the end of a "pig tail."

The Active receiver can be powered with a wide range of AC transformers or DC power sources (from 10.5 to 24VAC, 1VA or 10.5 to 40VDC, 1W) (PSU not included). With isolated power, surge protector and under-voltage lockout, this unit has been built to be both flexible and durable to accommodate nearly any system design.

**COMPACT SINGLE-CHANNEL ACTIVE UTP VIDEO RECEIVER**

**Video**

Video Format: NTSC, PAL, SECAM  
 Frequency Response: 2 Hz to 6 MHz up to 1500 ft (457m)  
 Common Mode Rejection: 80dB nominal at power line frequency (50/60 Hz)  
 Better than 60dB, 2 Hz to 6 MHz  
 Common Mode Range: 12 Vp-p  
 Transient Immunity: IEC 61000-4-2 (ESD)  
 IEC 61000-4-4 (EFT)  
 IEC 61000-4-5 (Lightning)  
 Wire Type: 100 Ohm, 24 AWG min Unshielded Twisted Pair  
 Wire Category: Cat3 or better, Optimized for Cat5e or better

**Power**

Range of Power Input: 10.5 to 24 VAC, 50/60 Hz, 1 VA max.  
 or  
 10.5 to 40 VDC at 1W DC max.

**Environmental**

Humidity: 10 to 85%, non-condensing  
 Operating Temperature: 0°C to +60°C (0°F to +140°F)  
 Warranty: Three years

**Mechanical**

Dimensions: 0.75x1.0x2.0 Inches (19x25.4x51mm) HxWxL  
 Unit Weight: 1 oz., (28g)  
 Material: Plastic  
 Power: 2-screw terminal  
 UTP Video Input: 2-screw terminal  
 Video output: (1) Male BNC Connector on a pig tail  
 Video/Power Indicator: Red = Power (no Video)  
 Blue = Power & Video

**Ordering Information**

PART # KR1501AR Description: single-channel Active Receiver  
 \*Specifications subject to change without notice.

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 Pub. KR1501AR – 2010-03-19.

**Wire Recommendations**

The Kenrik UTP line is designed for use with unshielded twisted pair (UTP) wiring that is 26AWG – 24AWG, or Category 3 and higher cable. Using individually shielded pair wiring is not recommended. Traditional punch-down block terminals can be used if all resistive capacitive or inductive devices (example: T-taps) are removed. For more information, please review our Technical Document resources online or give us a call.