

MultiView™ K-500 TD/TDC Cat5 Receivers

Two Outputs Are Better Than One!

“Twin Display” receivers provide dual audio and video outputs – perfect for applications with paired displays



K-500 TD / K-500 TDC

The MultiView™ K-500 TD (twin-display) and K-500 TDC (twin-display, chainable) receivers reduce receiver quantities by connecting to two back-to-back or close proximity displays, rather than one display.

The K-500 TD and TDC receivers employ MultiView™ AK500 technology, including RepliSync™ and proprietary signal algorithms, and are specified to provide QXGA (2048x1536) resolution @ 500 ft. (152m) @ 70Hz refresh. Each receiver uses active electronics to provide two HD15 (VGA) and two 3.5mm min-jack (audio) outputs. K-500 TDC receivers are “daisy-chained” and combined with a K-500 TD receiver at the chain’s end, to address a series of four to twenty-four back-to-back displays. As with all MultiView™ AK Series receivers, the TD/TDC units feature signal equalization fine-tuning, ensuring clear, crisp display imagery. Setup involves only a simple receiver adjustment while looking at the display, simplifying installations. High-reliability design aspects, such as ESD (Electro-Static Discharge) protection on all input/output circuitry, result in an MTBF (Mean Time Between Failure) of 100,000 hours, and the equipment is suitable for harsh or outdoor environments.

Maximum source-to-display distance is 500 ft. for computer video, 750 ft. for HDTV or component video and 1000 ft. for composite or S-video. “Skew-free” or low skew cable is recommended since K-500 receivers do not feature any built-in skew compensation, though shielded or plenum-version cable is not needed as all MultiView™ Series equipment is insensitive to electrical noise. Configuration of the video type is easily accomplished with an external switch.

Companion Products:



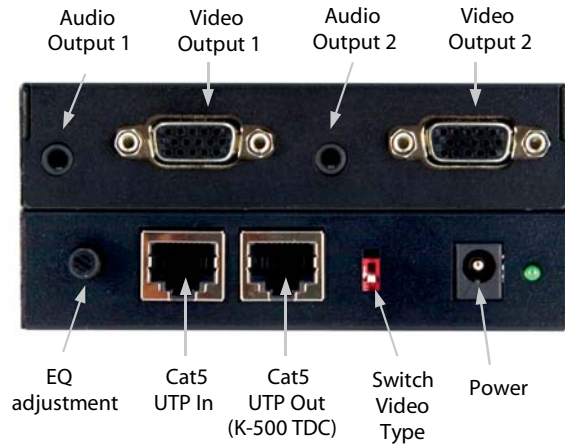
Features / Benefits

K-500 TD/TDC Receiver Front / Back Connectors

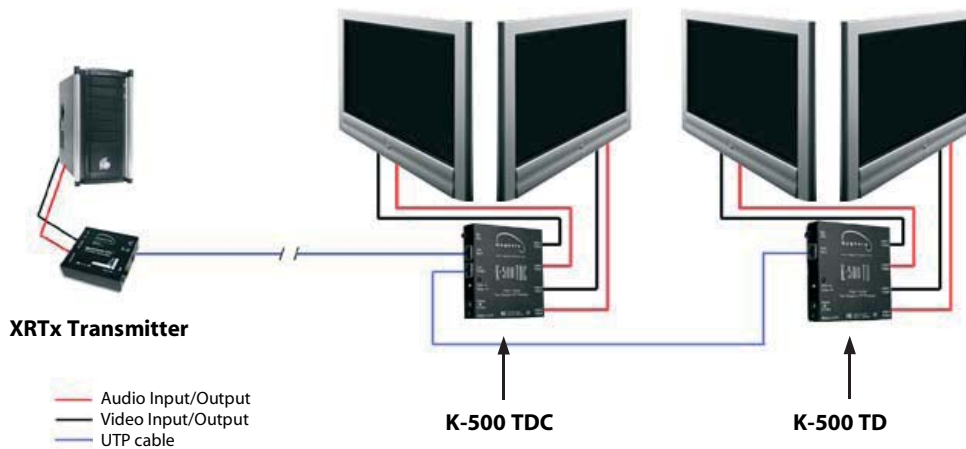
- Two audio outputs and two video outputs per receiver
- 2048x1536 resolution at 500 feet at 70Hz
- Switch video types using external switch
- Distribute any type of analog video plus L/R summed audio
- Daisy-chain up to 12 K-500 TDC Receivers
- Continuous, knob-turn equalization adjustment

Reduce:

- Capital Expense
- Hardware Count
- Installation Space
- Installation Time



K-500 TD/TDC Layout Example



Specifications

Cable Required: The K-500 TD and TDC receivers are designed to perform with skew-free cable or low-skew Cat5/5e cable (maximum color skew 10ns over 150m / 500 ft.), since these specific models do not include skew compensation.

Compatible "Skew-Free" Cables: Belden 7987P/R, Gepko LSK 04

Compliance: EMC ; CE; FCC Class A ; Immunities: EN61000

Video Support: QVGA, VGA, SVGA, XGA, SXGA, UXGA, RGBHV, RGB, Composite (NTSC, PAL, SECAM), S-Video, Component Video, widescreen modes, HDTV modes

Maximum Recommended Resolution and Refresh Rate:
2048x1536 @ 70 Hz

Required Destination Impedance: Video IN: 75 ohms;
Audio IN (if any): 600 ohms minimum

Audio Characteristics: Channels: Right/ Left summed; stereo;
Line Level 600 Ohm Unbalanced

Connectors: (2) 3.5 -mm (audio out), (2) HD15 F (video out),
(1) RJ- 45 (Cat5 in), (1) RJ- 45 (Cat5 out) [K-500 TDC only]

Temperature Tolerance: Operating: 32 to 104° F (0 to 40° C);
Storage: -4 to +140° F (- 20 to +60° C)

Humidity Tolerance: Up to 80% noncondensing

Enclosure: Powder-coated steel (Galvanneal process)

Power: +5 VDC @ 1200 mA max **Consumption:** 6 watts maximum

Size: .95"H x 4.15"W x 3.8"D (2.4 x 10.5 x 9.65 cm)

Weight: 0.6 lb. (0.27 kg)

Compatible Transmitters:

MultiView STx Transmitter
MultiView XRTx Transmitter
MultiView PCI Card Slot Transmitter
MultiView T4A Transmitter four port with audio
MultiView T5A Transmitter five port with audio
Morph-It Dual Transmitter Card
Morph-It Dual Transmitter Card with local monitor out

Compatible Distribution Amp: *MultiView 9D 1x9*

Compatible Matrix Switchers: *Mondo Matrix* full-matrix Cat5
switcher in configurations from 16x16 to 256x256
MultiView Matrix 8x8; *MultiView Matrix 16x16*