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 4003377   **K-500 TDC 4003371**

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:

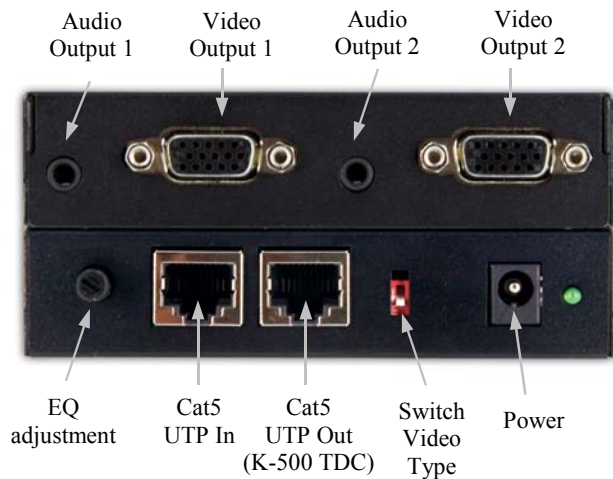|					
MultiView XRTx Transmitter 400R3588	MultiView PCI Transmitter 4003246	MultiView T4A Transmitter 4002960	MultiView T5A Transmitter 4003006	MultiView 9D Distribution Amp 2211029	MultiView Matrix 8x8 Switch 4003026 Matrix 16x16 4003238

Additional products: see specifications on back

K-500 TD/TDC Receiver Front / Back Connectors

Audio Output 1   Video Output 1   Audio Output 2   Video Output 2

EQ adjustment   Cat5 UTP In   Cat5 UTP Out (K-500 TDC)   Switch Video Type   Power
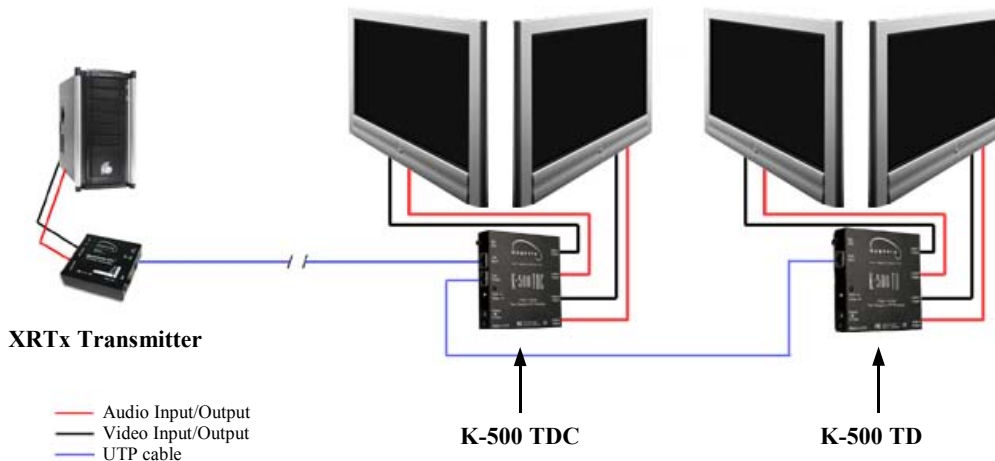
Features / Benefits

· 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

XRTx Transmitter

— Audio Input/Output
— Video Input/Output
— UTP cable

K-500 TDC   **K-500 TD**

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 (part# 400R3397);
MultiView XRTx Transmitter (# 400R3588);
MultiView PCI Card Slot Transmitter (#4003246);
MultiView T4A Transmitter four port with audio (#4002960);
MultiView T5A Transmitter five port with audio (#4003006);
Morph-It Dual Transmitter Card (#4003381);
Morph-It Dual Transmitter Card with local monitor out (#4003382)

Compatible Distribution Amp: *MultiView 9D 1x9* (#2211029)

Compatible Matrix Switchers: *Mondo Matrix* full-matrix Cat5 switcher in configurations from 16x16 to 256x256 (#2213001);
MultiView Matrix 8x8 (#4003026); *MultiView Matrix 16x16* (#4003238)