

MultiView™ STx Cat5 Transmitter

Compact, Value-priced Transmitter for all Distances

Highly cost-effective yet robust,
offers analog video + L/R summed audio



MultiView STx: 400R3397

Magenta Research’s MultiView™ STx Cat5 UTP Transmitter offers a cost-effective solution for applications requiring video only or video plus L/R summed audio distribution. Fully compatible with MultiView receivers, distribution amplifiers and matrix switches, the STx can transmit any type of analog video—RGBHV, YUV, Y Pb Pr, HDTV, Y/C, composite, S-video, NTSC, PAL, SECAM, RGsB or RGsB.

As with any MultiView transmitter, the “married” (not “up to”) resolution/distance specifications are based upon the accompanying MultiView receiver, which are offered in four distance tiers—500 feet/152 meters (1366x768), 600 feet/183 meters (1920x1200), 1,200 feet/366 meters (1920x1200) and 2,000 feet/610 meters (1920x1200). Receiver distance ratings can be surpassed when using lower resolutions and non-RGBHV formats; especially composite video in which case an extra 500 ft. (152m) can be expected.

Designed and manufactured to provide extremely long life cycles, the STx features full ESD protection on all circuits as well as an MTBF (Mean Time Before Failure) rating of 100,000 hours. STx transmitters can also be rack-mounted in groups of four (1U) or eight (2U) when using the appropriate Magenta Research rack mount kit.

For applications that require serial distribution, stereo audio, the routing of AC coupled video signals, a local monitor output at the transmitter or the ability to cascade transmitters, the UTx Universal Transmitter should be utilized.

Companion Products:



MultiView 500A
Receiver 400R3540



MultiView K-500TD
Receiver 4003377



MultiView AK600DP-A
Receiver 400R3755



MultiView AK1200DP-A
Receiver 400R3681

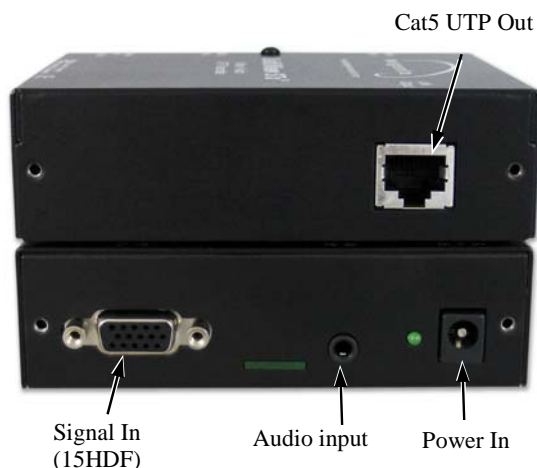


MultiView XR-2000
Receiver 400R33584

Benefits of MultiView™ STx:

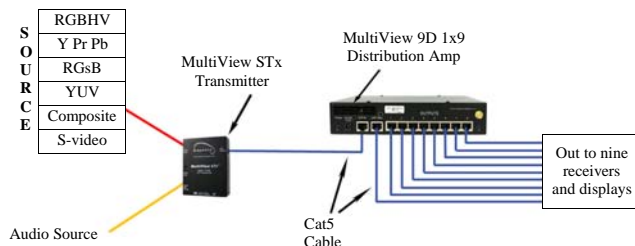
- Video signals from composite to 1920x1200 resolution, including 1080p HDTV
- Compatible with MultiView Series receivers, distribution amplifiers and full-matrix switchers
- Lower cost than MultiView UTx for solutions that require only video and L/R summed audio distribution
- High reliability (100,000 hours MTBF)
- ESD protection on all circuits

MultiView™ STx Transmitter Front / Back Connectors

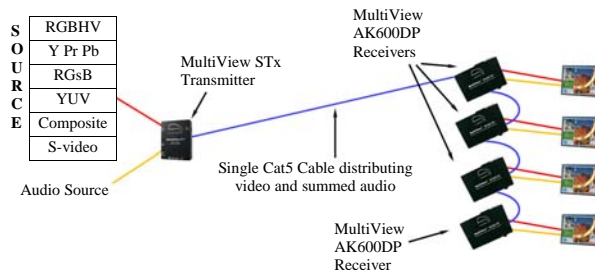


Cat5 Video Distribution Solutions

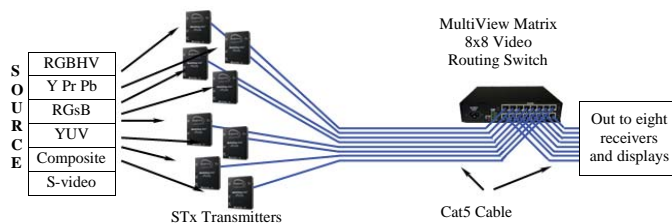
Distribution Amp Scenario



STx & AK500 Receivers Daisy-Chained



Matrix 8x8 Routing



Specifications

Video Support: RGBHV, RGBS, RGsB, YUV, Y Pr Pb, Y/C, composite, S-video, HDTV

Recommended Cable: Standard Cat5/5e or Cat6, unshielded twisted pair

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

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

Resolution: 1920x1200 (receiver dependent)

Required Source Impedance: Video OUT: 75 ohms
Audio OUT 600 ohms maximum

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

Maximum Distance: To 2,000 feet (610 meters); MultiView receiver and video format dependent

Connectors: (1) 3.5-mm audio in, (1) RJ-45 out, (1) HD15 Female, (1) power in

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)

Rack Mountable: Yes, with optional 1U or 2U mount kits

External Power Supply: Input: 100 to 250 VAC @ 50 or 60 Hz (auto-sensing); Output: +5 VDC; Consumption: 5 watts maximum

Size: 1.38"H x 3.62"W x 4.38"D (3.5 x 9.2 x 11.1 cm)

Weight: 0.6 lb. (0.3 kg)

Warranty: 3 years

Compatible Receivers:

- MV500A (#400R3540);
- K-500 TD (#4003377);
- K-500 TDC (#4003301);
- AK600DP-A (#400R3755);
- AK1200DP-A (#400R3681);
- XR-2000DP-A (#4003349)

Compatible Distribution Amp: MultiView 9D 1x9 (#221R1029)

Compatible Matrix Switchers: Mondo Matrix full Matrix Cat5 switcher in configurations from 16x16 to 256x512 (#221R3001); MultiView Matrix 8x8 (#2211037); MultiView Matrix 16x16 (#2211038)

Magenta Research is the undisputed leader in the adaptive distribution of audio/visual signals over Cat5 cable. Over ten years, Magenta has developed the highest-performance, most flexible video-over-Cat5 product line, the MultiView Series. The company utilizes patent-pending RepliSync™ and complex, state-variable signal EQ technologies to enable WUXGA video distribution at 2,000 feet (610m). MultiView Series transmitters, receivers, switchers and distributive systems have been installed in a large variety of A/V applications, especially dynamic signage for airport, retail, fast food, museum, casino, theatre, courtroom and corporate applications. Based in New Milford, CT, Magenta utilizes a network of international distributors, manufacturers representatives and resellers to market its enabling technology worldwide.

