

## 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, RGBS 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—250 feet/76 meters (1600x1200), 500 feet/152 meters (2048x1536), 1000 feet/304 meters (2048x1536) and 1500 feet/457 meters (1600x1200). 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 250A Receiver 4003284



MultiView AK500 Receiver 4003299



MultiView AK1000DP Receiver 4003093  
AK1000A: 400R3094



MultiView 9D Distribution Amp 2211029

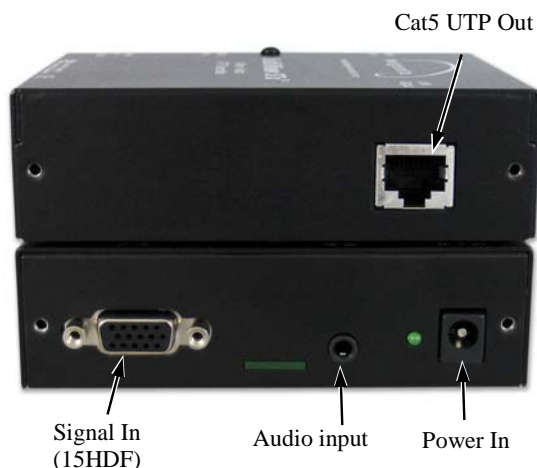


MultiView Matrix 16x16 Switch 4003238  
MultiView Matrix 8x8: 4003026

## Benefits of MultiView™ STx:

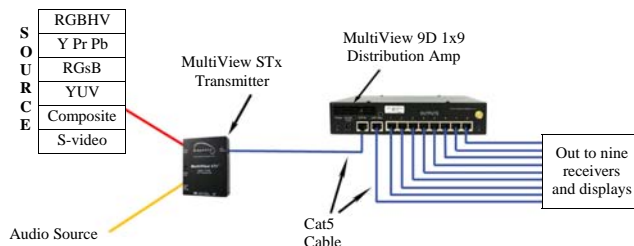
- Video signals from composite to 2048x1536 resolution, including 1080p HDTV
- Compatible with MultiView Series receivers, distribution amplifiers and full-matrix switchers
- Lower cost than MultiView UTx for solutions that require only video and L/R summed audio distribution
- High reliability (100,000 hours MTBF)
- ESD protection on all circuits

## MultiView™ STx Transmitter Front / Back Connectors

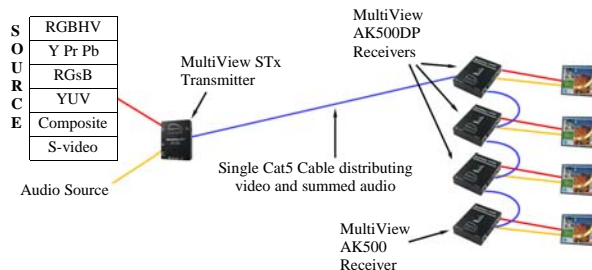


## Cat5 Video Distribution Solutions

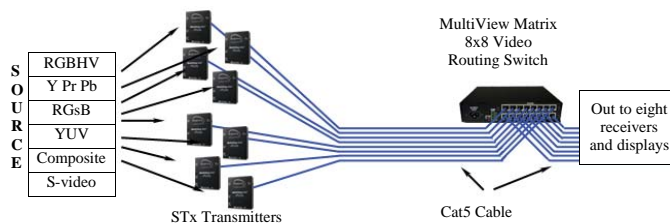
### Distribution Amp Scenario



### 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 and Refresh Rate:** 2048 x 1536 @ 60 Hz, MultiView 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 1,500 feet; 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)

**Compatible Receivers:**

- MultiView MV250A (#4003284);
- MultiView K-500TD (#4003377);
- MultiView K-500TDC (#4003371);
- MultiView AK500 (#4003299);
- MultiView AK500 DP (#4003274);
- MultiView AK1000 (#400R3093);
- MultiView AK1000A (#400R3094);
- MultiView AK1500 (#400R3097);
- MultiView AK1500A (#400R3098)

**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)

Magenta Research is the undisputed leader in the adaptive distribution of audio/visual signals over Cat5 cable. Over eight 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 UXGA video distribution at 1,500 feet (457m) and QXGA video at 1,000 ft. (305m). 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.

