

## MultiView™ UTx Universal Transmitter

### High-Resolution Video, Audio, Serial over Cat5 / UTP Cable

The versatile MultiView™ UTx can be configured to fit a wide variety of A/V delivery applications



MultiView™ UTx  
400R3212

Magenta Research's MultiView™ UTx Universal Transmitter is designed to facilitate the sourcing of professional-quality video, audio and control signal distribution over Cat5 for distances to 2,000 feet (610 meters) at resolutions of 1920x1200. Designed for quick and easy installation, the UTx is completely compatible with Magenta's full product line of receivers, switches and distribution amplifiers.

The adaptable UTx features built-in Simplex serial capability, can also be configured to transport summed L/R audio or SPDIF audio and can further be jumpered to deliver RGBHV video, composite video, component video or S-video.

The MultiView UTx-232 Transmitter adds full modem serial support, and the MultiView UTx-SA provides the unique ability to transport video, duplex serial control signals *and* stereo audio over a lone Cat5/5e/6 unshielded twisted pair cable.

–SAP Series products add addressable serial functionality to the –SA Series.

#### The MultiView UTx can be factory- or field- configured to any setup listed below:

- High-resolution computer video
- Computer video + summed L/R audio
- Computer video + SPDIF audio
- Computer video + simplex serial (one-way)
- Component or S-video + composite video or summed L/R audio
- Component or S-video + composite video or SPDIF audio
- Composite video + stereo audio
- Composite video + stereo audio + simplex serial (one-way)

#### Additional UTx Product Options:

- MultiView UTx-232 supports full-modem serial (#400R3230)
- MultiView UTx-SA supports distribution of duplex serial, stereo audio and video over a single Cat5/5e/6 unshielded twisted pair cable. (#400R3347)
- MultiView UTx-SAP supports distribution of addressable duplex serial, stereo audio and video over a single Cat5/5e/6 unshielded twisted pair cable. (#400R3554)

#### Companion Products:



MultiView 500A  
Receiver 400R3450

MultiView 500S 400R3649



MultiView AK600DP  
Receiver 400R3755

AK600DP 232: 400R3763  
AK600DP-SA: 400R3765  
AK600DP-SAP: 400R3769



MultiView AK1200DP  
Receiver 400R3681

AK1200DP 232: 400R3688  
AK1200DP-SA: 400R3690  
AK1200DP-SAP: 400R3694



MultiView XR-2000DP  
Receiver 400R3584

XR-2000DP-SA: 400R3614  
XR-2000DP-SAP: 400R3614



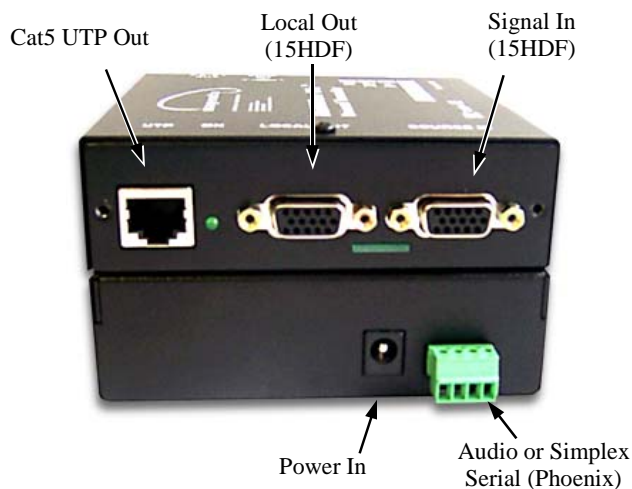
Mondo Matrix Cat 5  
Switch 221R3001

Matrix 8x8: 2211037  
Matrix 16x16: 2211038

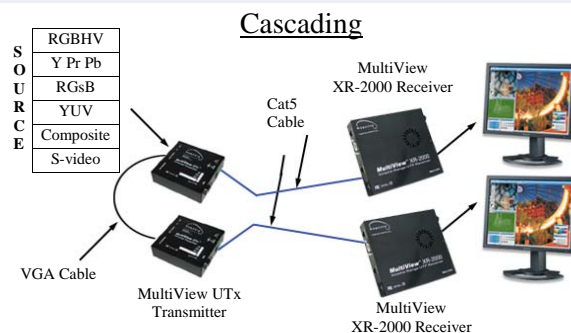
## Benefits of MultiView™ UTx:

- Video signals from composite to 1920x1200 resolution
- Jumper configurable: factory-set according to user's requirement / can be changed on-site
- Single-port SPDIF transmitter configuration
- S-video plus stereo audio configuration
- Selectable DC, DC restore or AC video coupling
- Built-in simplex serial capability
- Selectable 4th pair use for additional audio/video channel
- Compatible with MultiView Series receivers, distribution amplifiers and full-matrix switches

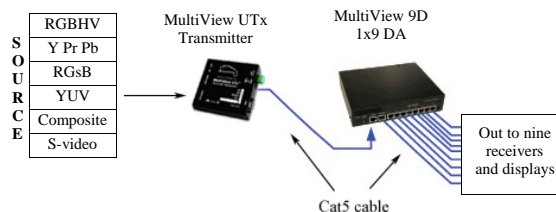
## MultiView™ UTx Transmitter Front / Back Connectors



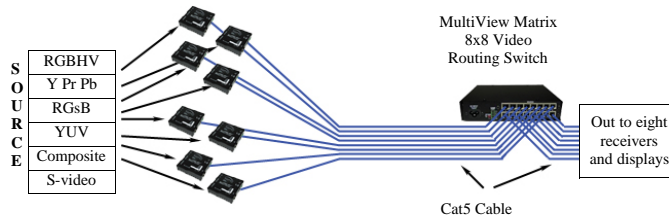
## Cat5 Video Distribution Solutions



### 9D Distribution Amp Scenario



### Matrix 8x8 Routing



## Specifications

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

**Recommended Cable:** Standard Cat5/5e, 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:** 1920x1200 (receiver dependent)

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

**Audio Characteristics:** R/L summed, SPDIF or Stereo (model-dependent) Bandwidth (+1 to -3 dB maximum): 20 Hz to 30 kHz

**Serial Characteristics:** Protocol: Asynchronous; transparent to data format. Data rates up to 19.2 kbps

**Operation:** Simplex (included) or full duplex (UTx-232 or UTx-SA)

**Maximum Distance:** To 2,000 feet, MultiView receiver-dependent

**Connectors:** (1) 4 position Phoenix, (1) RJ-45, (2) HD15 F, (1) power inlet, (1) DB9 [duplex serial 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)

**Rack Mountable:** Yes, with optional 1U, 2U or 3U mount kits

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

**Size:** 1.2"H x 4.2"W x 4.3"D (3.1 x 10.4 x 10.9 cm);

**Weight:** 0.8 lb. (0.4 kg); SA and 232 versions: 1 lb. (0.5 kg)

### Compatible Receivers:

- MV500A (#400R3540);
- MV500S (#400R3649);
- AK600DP-A (#400R3755);
- AK600DP-S (#400R3756);
- AK600DP-232 (#400R3763);
- AK600DP-SA (#400R3765);
- AK600DP-SAP (#400R3769);
- AK1200DP-A (#400R3681);
- AK1200DP-S (#400R3682);
- AK1200DP-232 (#400R3688);
- AK1200DP-SA (#400R3690);
- AK1200DP-SAP (#400R3694);
- XR-2000DP-A (#4003349);
- XR-2000DP-S (#4003622);
- XR-2000DP-SA (#4003097);
- XR-2000DP-SAP (#4003098);

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

**Compatible Matrix Switches:** Mondo Matrix full Matrix Cat5 switcher in configurations from 16x16 to 256x256 (#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, switches 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.

