

MultiView™ 500A / 500S Receiver

500 Series Receivers Lower Cost-per-Distance Expense

User configurable, HD-ready receivers with options for video + audio or video + simplex/duplex RS-232



MultiView 500A Receiver

Magenta Research’s MultiView 500 Series receivers offer a cost-effective, yet performance driven means to deliver high-resolution video with audio or RS-232 signals over UTP cable.

Continuing the Magenta standard of offering UTP receivers in varying distance tiers – ensuring users only pay for the distance needed – MultiView 500 receivers take up residence as Magenta’s shortest distance receiver offered. Even while effective distance transmission has doubled in this first tier of receivers, 500 Series receivers offer a lower cost-per-distance solution from Magenta than ever before. Magenta’s tiered distance offerings for MultiView receivers are rounded out by the AK600, AK1200 and XR-2000 products.

500 Series Receivers boast complete video-format agility, able to extend RGBHV, component, S-video or composite, video. Compensating for UTP cable distance length is as simple as choosing from four distance stages; 1-125 feet, 125-250 feet, 250-375 feet or 375-500 feet. Resolutions to 1366x768 are supported, including 720p HDTV modes.

The MultiView 500S receiver offers another first from Magenta – the ability to easily toggle between simplex and duplex RS-232 modes. MultiView receiver adjustment and configuration has never been easier!

The MultiView Series provides a “building block” approach to signal distribution over Cat5. MultiView 500A and 500S Receivers may be linked to a MultiView UTx Universal Transmitter, a PCI card transmitter or MultiView T4/T5 multiple output transmitters in order to cover any application. When utilizing cascaded MultiView transmitters, MultiView Cat5 distribution amps and MultiView full-matrix Cat5 switchers, signals can be distributed to hundreds of displays from one or multiple sources.

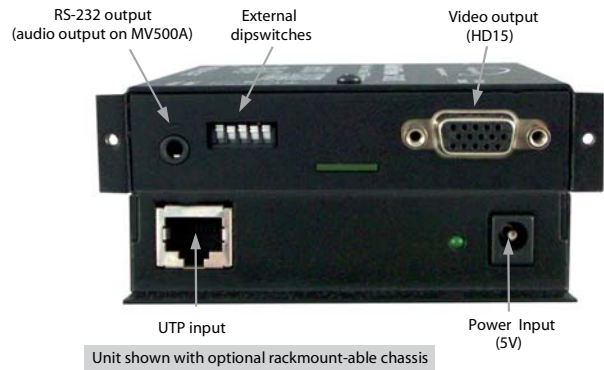
Companion Products:



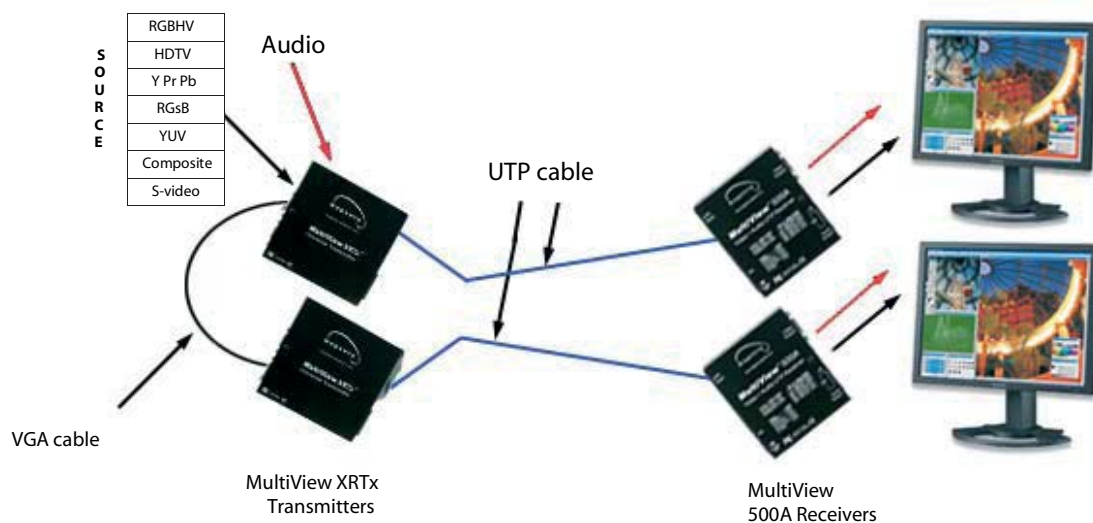
Benefits of MultiView™ MV500A/S:

- Low-cost MultiView solution for short distance, point-to-point video and audio or serial applications
- WXGA (1366x768) @ 500 feet (152 meters)
- External dipswitch-configurable video format (RGBHV, component, composite S-video and HDTV modes)
- External 4-level cable length EQ adjustment
- External audio enable/disable (MV500A)
- External simplex/duplex serial configuration (MV500S)
- Electrostatic Discharge (ESD) protection on all I/O circuits
- Rugged, Galvanneal steel enclosure
- Highly immune to electrical noise or vibration
- Dedicated Cat5 cable operates outside existing IT networks

MultiView MV500S Front/Back Connectors



MultiView MV500A with Cascaded Transmitters Sample Application



Specifications

Cable Required:

Category 5, 5e, 6 shielded or unshielded twisted pair

Compliance: CE; FCC Class A, IC Class/class A

Video Support: WXGA (1366x768 @ 60Hz), RGBHV, RGB, Composite, S-Video, Component Video modes

Maximum Resolution: At 500 ft. (152 m) or less, 1366x768

Required Source Impedance: Video: 75 ohms; Audio (if any): 600 ohms maximum

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

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

Serial Characteristics: Protocol: Asynchronous; transparent to data format; transparent to data rates up to 19.2 kbps duplex; data rates to 115 kbps simplex 3 wire Tx, Rx, Gnd

Connectors: (1) 3.5-mm, (1) RJ-45, (1) HD15 F

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: Steel

Power: +5 VDC @ 260 mA max (power supply sold separately)

Consumption: 1.3 watts maximum

Size: 0.88 "H x 3.12"W x 3.75"D (2.2 x 7.9 x 9.5 cm)

Weight: 0.56 lb. (0.26 kg)

MV500A / MV500S

Accessories:

Rigid mount bracket for MV500A

Rigid mount bracket for MV500S

19" rack mount kit for 4 MV Receivers, 1U