

MultiView™ XR-2000 Receiver

**Extend WUXGA/Audio/Serial
2,000' / 610m On a Single Cat5/6**



**MultiView XR-2000DP-A Receiver
400R3681**

**Breakthrough MultiView XR-2000 Receiver
widens Magenta's performance lead in
video resolution-over-distance of UTP cable**

Magenta Research, the recognized leader in video, audio and serial signal distribution and switching over UTP cable and fiber, has extended its video/audio/serial over UTP cable reach to an industry-best 2,000 feet (610 meters) with the introduction of the MultiView XR-2000 Receiver. Signals are sent over a single, uninterrupted cable—no repeaters or splitters needed!

The MultiView XR-2000 Receiver is specified to deliver WUXGA computer video (1920 x 1200) at 2,000 feet of Cat5/6, and features optional 65 nanoseconds (AkuComp II) of color skew correction to enable the use of most standard Cat5/5e UTP cables and reduced-skew Cat6 cables. The receiver is also compatible with VESA-standard video formats such as 1080p, 1080i and 720p HDTV, plus component video, S-video and composite video modes. Standard features include a choice between left/right audio or SPDIF audio or simplex serial capability, plus the inclusion of an RJ-45 link out in order to allow subsequent receivers to be connected in a "daisy-chain" configuration.

A new XR-2000 feature, introduced earlier with Magenta's Infinea DVI Series, and being introduced in a MultiView receiver for the first time, is display-addressable duplex serial control (-SAP models). -SAP enables bidirectional communication with individual displays, even when the receivers are daisy-chained together for signal distribution efficiency. A single computer Com port is all that is required for communication with up to a dozen different displays and/or projectors, or even more when using Magenta's new Octet™ 1x8 digital signage transmitter.

The XR-2000 is also field-configurable for various video formats and signal combinations. Additional XR-2000 versions offer video + stereo audio + duplex RS-232 (-SA) and the previously mentioned video + stereo audio + pollable duplex RS-232 version (-SAP).

The MultiView XR-2000 improves upon the high-performance, high-reliability features that are already a staple of the MultiView Series and now offers vastly improved ease-of-use with the introduction of a single button to control all EQ and skew adjustments. Of course the XR-2000 also boasts Magenta's patented RepliSync technology for the digitization of horizontal and vertical sync signals, full ESD (electro-static discharge) protection on all input/output circuitry and 9-pole signal optimization algorithms that result in the clearest video over UTP image.

Companion Products:



**MultiView UTx
Transmitter 400R3212**



**MultiView PCI
Transmitter 4003246**



**MultiView T4A
Transmitter 400R2960**



**MultiView T5A
Transmitter 400R3006**



**MultiView 9D
Distribution Amp
221R1029**

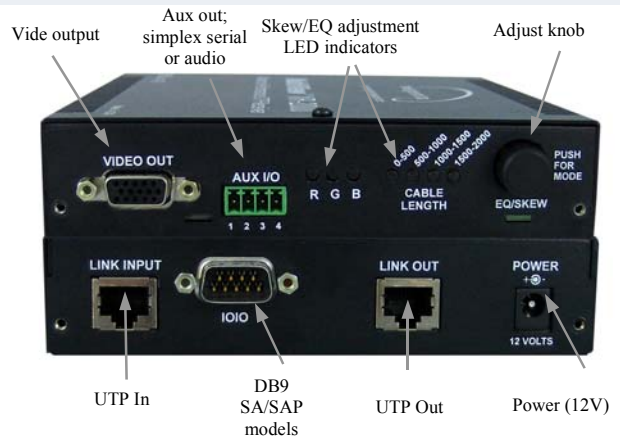


**Mondo Matrix
Cat5 Switch
16x16—256x256
221R3001**

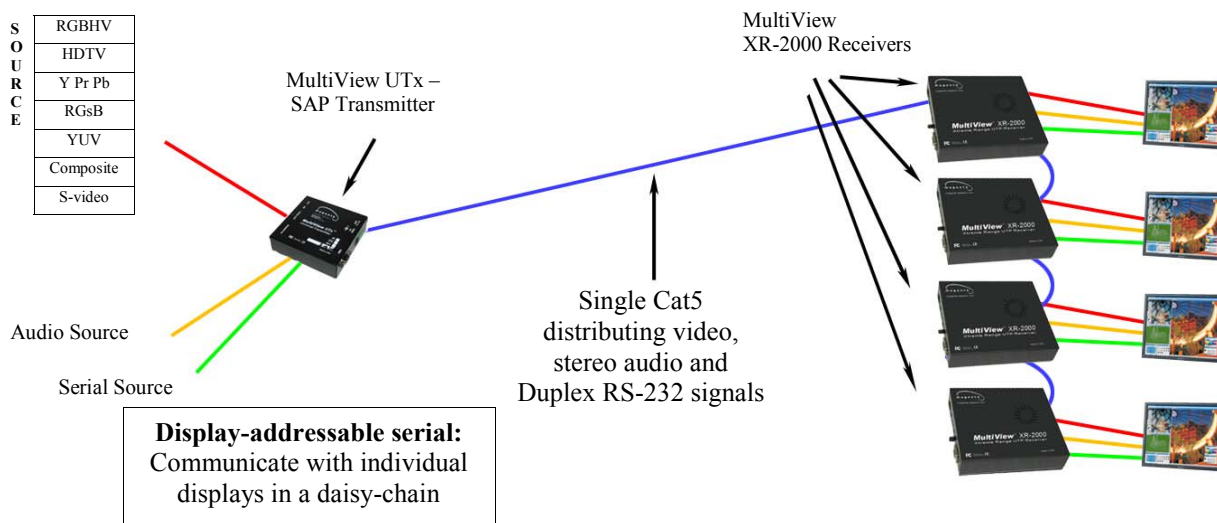
Benefits of MultiView™ XR-2000:

- Highest-resolution video reproduction at distances to an industry-leading 2,000 feet (610 meters) of cable
- Dedicated Cat5 cable operates outside existing IT networks
- ESD (electrostatic discharge) protection on all I/O circuits
- Pollable Duplex Serial
- High reliability design suitable for harsh environments
- One toggled dial for all EQ and skew compensation adjustments
- Unmatched flexibility with configurations that deliver:
 - Analog L/R mono or stereo audio and video
 - SPDIF digital audio and video
 - Full-modem or simplex serial control and video
 - Duplex serial, stereo audio and video
 - Pollable-duplex serial, stereo audio and video

XR-2000 Front/Back Connectors



MultiView XR-2000-SAP Sample Daisy-Chain Setup



Specifications

Cable Required: Category 5, 5e, 6 shielded or unshielded twisted pair

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 including 1080p, 1080i, 720p

Maximum Recommended Resolution and Refresh Rate: At 2,000 ft. (610 m) or less: 1920 x 1200 (including 1080p)

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

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: +12 VDC @ 1200 mA max (PSU sold separately)

Consumption: 14.4 watts maximum

Connectors: (1) 4 pin phoenix, (2) RJ-45, (1) HD15 F; (1) DB9M (model dependent)

Skew Compensation: AkuComp II optional integration; 65ns of skew comp

Size: 1.2"H x 5.6"W x 6.2"D (3.0 x 14.2 x 15.7 cm) **Weight:** 2.0 lb. (0.9 kg)

Part Numbers:

RGBHV versions

XR-2000DP-A: 400R3681
 XR-2000DP-S: 400R3682
 XR-2000DP-SPDIF: 400R3604
 XR-2000DP-SA: 400R3614
 XR-2000DP-SAP: 400R3585

CS (composite / component / S-video) versions

XR-2000DP/CS-A: 400R3685
 XR-2000DP/CS-S: 400R3624
 XR-2000DP/CS-SPDIF: 400R3610
 XR-2000DP/CS-SA: 400R3618
 XR-2000DP/CS-SAP: 400R3626

While units are field configurable for different video types, unique part numbers allow products to be pre-configured in the factory for a specific use.

Magenta Research is the industry-recognized leader in the adaptive distribution and switching of video/audio/serial signals over Cat5 cable, and more recently, DVI over fiber and/or Cat6. Over ten years, Magenta has developed the highest-performance, most flexible video-over-Cat5 product line, the MultiView Series. The company utilizes patent-pending Repli-Sync™ 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.