

MultiView™ -SA Series

- High-Resolution Video
 - Duplex Serial
 - Stereo Audio
- } One Cat5

-SA transmitters and receivers deliver the ultimate combination of signals over a single Cat5/5e/6 UTP cable



**MultiView™
AK500DP-SA
4003360**

Magenta Research, the leading manufacturer of Cat5 signal distribution and switching systems, has greatly enhanced the MultiView™ product line with a new enabling technology resulting in the MultiView™-SA Series. The breakthrough -SA versions of MultiView™ transmitters and receivers facilitate the concurrent distribution of video, duplex serial data and stereo audio, over a singular Cat5/5e/6 unshielded twisted pair cable.

Providing this capability is a Magenta-designed serial + audio daughter board, which is integrated with internal MultiView™ electronics. For video + serial + audio applications, the board is added to standard MultiView™ UTx Transmitters and AK Receivers. MultiView distribution amplifiers and full-matrix switches have the inherent ability to pass this combination of signals in their standard configuration.

The -SA transmitters and receivers simplify installation and save money by eliminating the need for additional Cat5 cables for stereo audio and/or serial distribution. Distance capability is zero to 1500 feet (457 meters) and is available in three distance ranges: 500 ft. (152m), 1000 ft. (305m) and 1500 ft. (457m). The user pays only for the distance that is needed.

Dual-port versions of the -SA receivers enable simplex serial, stereo audio and video to be daisy-chained, saving more money by distributing to a maximum of twelve displays from a single transmitter. (Note: a single-port version is required at the end of the receiver chain.)

Compatible video formats include high-resolution computer video (from VGA to 1600x1200 resolution), NTSC, PAL, S-video, RGB, Y/Pb/Pr component video or HDTV.

The -SA Series includes:



MultiView UTx-SA
Transmitter
4003347



MultiView AK500-SA
Receiver
4003348



MultiView AK500DP-SA
Receiver
4003360



MultiView AK1000DP-SA
Receiver
4003349

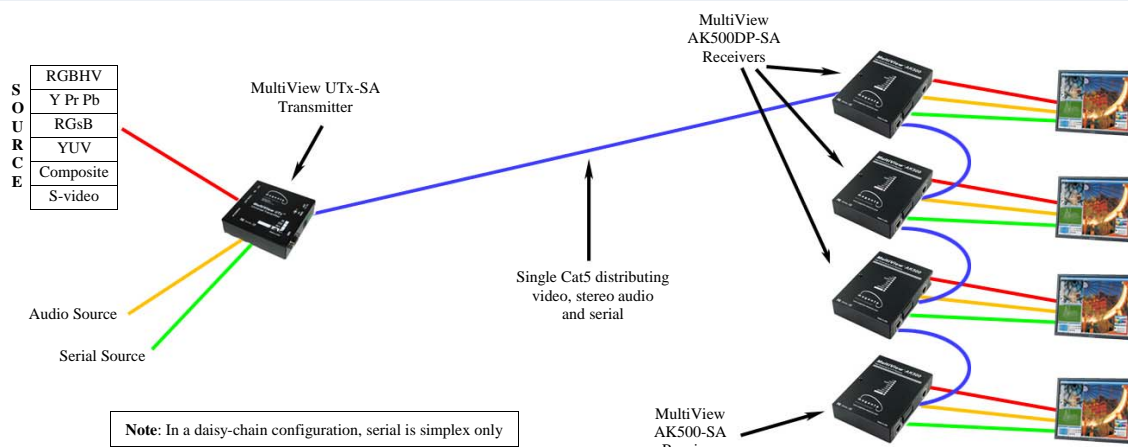


MultiView AK1500DP-SA
Receiver
4003350

Benefits of MultiView™ -SA Series:

- Greatly simplifies installation and reduces labor costs by transmitting video, duplex serial and stereo audio over a singular Cat5 cable
- The leading resolution and distance for video over Cat5:
 - o 1600 x 1200 @ 1500 ft. (457m), 60Hz refresh (AK1500DP –SA)
 - o 2048 x 1536 @ 1000 ft. (305m), 70Hz refresh (AK1000DP – SA)
 - o 2048 x 1536 @ 500 ft. (152m), 70Hz refresh (AK500 – SA, AK500DP – SA)
- Video compatibility: RGBHV to 2048x1536, component, RGsB, HDTV formats, composite video, NTSC, PAL, S-video, SECAM
- Stereo audio
- Great for dynamic signage applications, including touch screens and kiosks
- Duplex or simplex RS-232 (simplex only when daisy-chaining or utilizing distribution amplifiers or switchers)
- Compatible with MultiView™ series Cat5 distribution amps and full-matrix switchers
- Robust design ensures reliable operation in noisy or harsh environments

-SA Series Implementation Example



Companion products:



MultiView™ 9D 1x9
Distribution Amplifier
2211029



MultiView Matrix™
8x8 Switch
4003026



MultiView Matrix™
16x16 Switch
4003238



Universal
Power Supply
8020077

North American
Power Supply
8020069



Mondo Matrix™ Scaleable
Cat5 Matrix Switch
2213001



Morph-It™ Rack-based
Cat 5 Accessory Frame
4003314



MultiView DensePack Rack
Mount Power Supply
(for 24 units)
4002996

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.

