




MultiView™ AK600DP / AK1200DP Receivers

World's Best Cat5 Distribution Platform Just Got Better!


High-performance MultiView receivers now offer higher resolutions, reme ease of use & double optional skew compensation




MultiView AK1200DP-A Receiver 400R 

Magenta Research's MultiView AK600DP and AK1200DP Series receivers handle WUXGA (1920x1200 olution video at 600 feet (183 meters) and 0 feet (366 meters) respectively. All analog video types are supported; RGBHV, YUV, Y Pb Pr, component, composite, Y/C, S-video, HDTV, PAL, SECAM or RGBS. Standard configurations also offer a choice between L/R summed audio or SPDIF digital audio or simplex serial (RS-232) alongside analog video.

Both receiver models feature a standard UTP output, in order to facilitate the daisy-chaining of up to 11 MultiView receivers. This feature, when combined with a MultiView 9D distribution amplifier, enables the distribution of a single-source to hundreds of displays.

All adjustment controls on the AK600DP and AK1200DP have been simplified for vastly-improved ease-of-use, beginning with (the optional) AkuComp II skew compensation (required when skew-free cabling is not used). A knob is now used to adjust skew-delay with colored LEDs on the unit indicating which color is being delayed. Skew comp has also been increased to 65ns. The same knob, when pressed, cycles from skew adjustment to cable EQ, which is used to adjust for actual UTP cable length. 

AK600DP and AK1200DP receivers feature full video-format agility. An external switch, when turned on, offers an auto-sense feature to differentiate between RGBHV and non-RGBHV sources. Additionally, switching between simplex serial and summed audio modes is as simple as moving an internal switch.

Additional versions of these two eivers include a video + stereo audio + duplex serial model (AK600DP-SA / AK1200DP-SA) and a video + stereo audio + pollable duplex-serial model (AK600DP-SAP / AK1200DP-SAP), which offers duplex serial interaction even in a daisy-chain application... perfect for digital signage network metric reporting!

Companion Products:



MultiView UTx Transmitter 400R3212



MultiView PCI Transmitter 4003246



MultiView T4A Transmitter 400R2960



MultiView T5A Transmitter 400R3006



MultiView 9D Distribution Amp 2211029

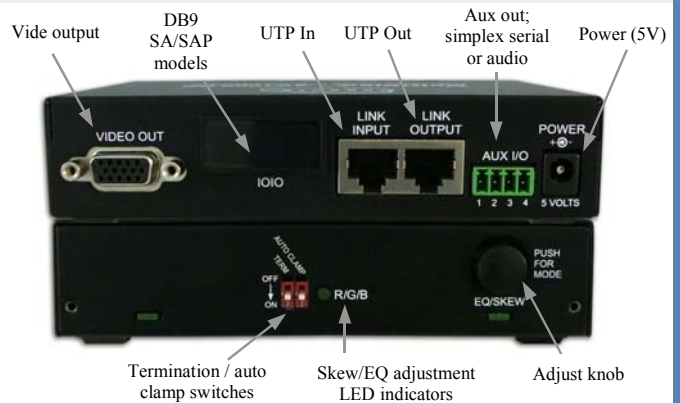


Mondo Matrix Cat5 Switch 16x16—256x256 221R3001

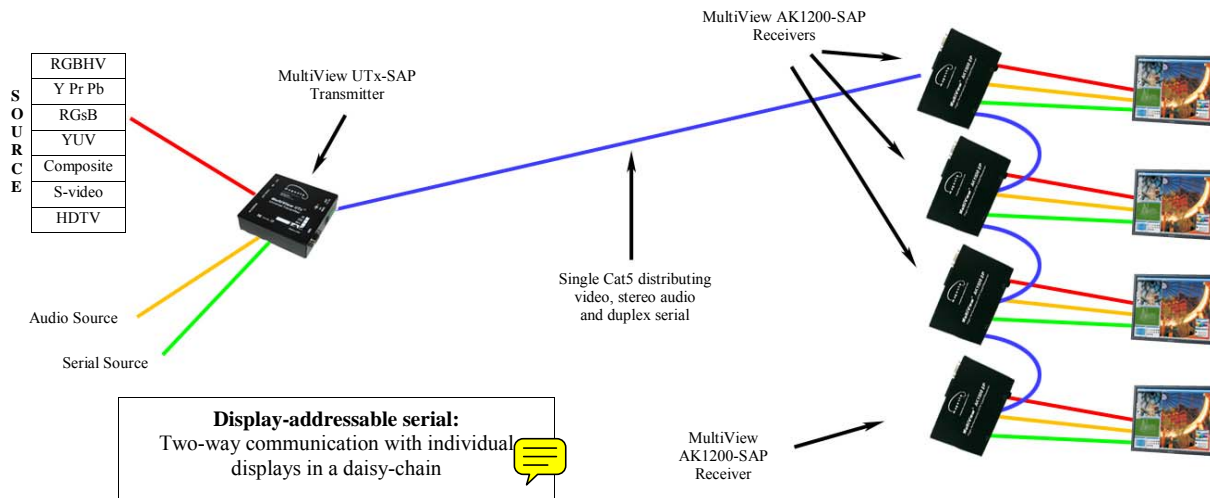
Benefits of MultiView™ AK600DP/AK1200DP:

- WUXGA (1920x1200) @ 600/1200 feet
- Auto-sensing of analog video formats
- Optional 65ns of skew compensation (AkuComp II)
- One button control for all adjustments (EQ / Skew)
- Standard UTP link output enables daisy-chain receivers
- 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
- 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

MultiView AK600DP/AK1200DP Connectors



Example Application: MultiView AK1200-SAP Receivers Daisy-chained



Specifications

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

Compliance: CE; FCC Class A, IC Class A

Video Support: all supported VESA modes to WUXGA (1920x1200), RGBHV, RGB, Composite (NTSC, PAL, SECAM), S-Video, Component Video, widescreen modes, HDTV modes including 1080p, 1080i, 720p

Resolution and Refresh Rate: At 600 ft. (183 m) / 1200 ft. (366 meters) or less: a maximum of 1920x1200 (including 1080p)

Required Source Impedance: Video OUT: 75 ohms; Audio mod OUT (if any): 600 ohms maximum; SPDIF audio models: 75 Ohm

Required Destination Impedance: Video IN: 75 ohms; Audio mod IN (if any): 600 ohms minimum; SPDIF audio models: 75 Ohm.

Audio Characteristics: Right/Left summed (A option); SA/SAP: Full Stereo Line Level 600 Ohm Unbalanced

Serial Characteristics: Protocol: Asynchronous; transparent to data format; transparent to data rates up to 19.2 kbps full duplex; data rates to 115 kbps simplex, half-duplex modes SA vers wire, fixed baud rate of 9600

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

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

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

Power: +5 VDC (PSU sold separately) **Consumption:** 6 watts maximum

Size: 1.2"H x 5.5"W x 3.6"D (3.0 x 14.0 x 9.2 cm)

Weight: 1.0 lb. (0.45 kg)

Part Numbers:

AK600DP-A: 400R3755
 AK600DP/CS-A: 400R3760
 AK600DP-S: 400R3756
 AK600DP/CS-S: 400R3761
 AK600DP-SPDIF: 400R3758
 AK600DP-232: 400R3763
 AK600DP/CS-232: 400R3764
 AK600DP-SA: 400R3765
 AK600DP/CS-SA: 400R3767
 AK600DP-SAP: 400R3765
 AK600DP/CS-SAP: 400R3770

AK1200DP-A: 400R3681
 AK1200DP/CS-A: 400R3685
 AK1200DP-S: 400R3682
 AK1200DP/CS-S: 400R3686
 AK1200DP-SPDIF: 400R3687
 AK1200DP-232: 400R3694
 AK1200DP/CS-232: 400R3689
 AK1200DP-SA: 400R3690
 AK1200DP/CS-SA: 400R3692
 AK1200DP-SAP: 400R3694
 AK1200DP/CS-SAP: 400R3695

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.