

Industrial Plasma Display Panels – Introduction to Magenta Research *MultiView™* AK1000 PDP Cat 5 Receiver Card

OVERVIEW:

Magenta Research's MultiView AK1000 PDP Cat 5 receiver expansion solution card is designed for the Pioneer professional CMX series plasma display panels. The MultiView AK1000 permits the panel to interface directly with Magenta's MultiView transmitters, distribution amps, and switching gear; which enables the display to be located up to 1000 feet (305 meters) away from the video source. The maximum resolution at 1000 feet is specified at 1920 x 1140 with a 70Hz refresh rate (display-dependent) for compatibility with current and future displays as resolution increases.

The type of businesses currently employing Pioneer industrial panels with Magenta's MultiView AK1000 card are as follows:

- Broadcasting & Post Production
- Aquariums & Amusement Parks
- Event & Theater Venues
- Resorts, Casinos, & Pool/Gaming Halls
- Airport, Bus, & Train Terminals
- Museums & Hall of Fame Facilities
- Convention Centers & Meeting Rooms
- Churches & Religious Organizations



TECHNICAL DETAILS:

The Magenta AK1000 installed in a Pioneer industrial plasma panel provides the following support:

- SMPTE-29M or SMPTE-259M input and re-clocked SMPTE-292M/259M out
- Video Compatibility: RGBHV, RGB, YUV, NTSC, PAL
(Single RJ45 input, VGA output to panel)
- Audio Compatibility: Line-level combines Left & Right
(L/R RCA jacks or Pioneer internal amplifier for audio output)
- Integrated Cat5-based solution for remote display placements including transmitting 2-way serial and high-definition video signal
- Combines with MultiView™ PCI card transmitter for clean “box-free” solution
- Daisy-chain or combine with other MultiView™ products to distribute multiple sources to hundreds of displays
(RJ45 Link Out for daisy-chaining up to 10 receivers)
- Eliminates bulky, expensive short-run DVI or HDMI cables
- Low power consumption

ADDITIONAL INFORMATION:

For more information on the Magenta MultiView AK1000 PDP Cat 5 receiver card, please contact:
Magenta Research (www.magenta-research.com)
(860) 210-0546

For questions not answered here or for other information about the plasma panels, refer to the
[Pioneer Electronics](http://www.pioneerelectronics.com) website (www.pioneerelectronics.com). For assistance please contact your
Pioneer representative or Pioneer Service at (800) 872-4159 or via email
customer.support@PioneerService.com