

MultiView™ II DVI-Rx-1K

Twisted pair digital video extension receiver



Key Features

- DVI-D Single Link Video Support
- Extension 1ft – 1,000ft (305m)
- Up to 1920x1080, 1080P/60 Resolution
- Standard: summed-audio or simplex-serial
- Optional: stereo and addressable duplex serial
- Daisy chainable
- Works with twisted pair cable
- Fully compatible with the Mondo Matrix Switch Platform
- Rackmount Kit optional



Specifications

Compatible transmitters

The MVII-DVI-Rx-1K receiver is designed to work exclusively with a MVII-DVI-Tx transmitter.

Link Cable Required

CAT 5, 5e, 6, or 6a. F/UTP type cable is recommended. Regular or low-skew type is acceptable.

Supported Video Formats

VESA and CEA video formats from 640x480 to 1920x1080, output on a digital DVI-D connector.

Audio Signals

(-A) mode: Line-level, summed L+R, analog audio.

(S/PDIF) mode: Supports copper S/PDIF digital-audio.

(2CH-PCM) mode: Supports embedded 2CH-PCM digital audio.

Note:

It is also possible to embed or de-embed 2CH-PCM digital audio at the TX or RX

Serial Characteristics

(-S) mode: Simplex serial, up to 115.2K. Protocol-transparent.

(-SAP) model only: Duplex serial, 9 configurable baud rates are supported. Protocol-transparent, but also supports serial-configuration mode.

Connectors

1 x 4 pin phoenix, 2 x RJ45, 1 x DVI-D (F), 1x DC-input, 1 x DB9M (SAP model only)

Temperature/Humidity Tolerance

Operating: 32 to 104°F (0 to 40°C), 10% to 80% RH non-condensing.

Storage: -4 to +140°F (-20 to +60°C), 10% to 80% RH non-condensing

Enclosure

Steel, black powder-coat finish

Power

Input voltage: +5 VDC @ 1.2 Amps max.

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

1lb. (0.45 kg)

Limited Warranty

5 years parts and labor



Overview

The MVII-DVI-Rx-1K is a digital video receiver capable of extending video, Audio and Duplex Serial up to 1,000ft (305m) over twisted pair from a MVII-DVI-TX transmitter. Also, the MVII-DV-RX-1k is compatible with the MultiView™ family of distribution and switching products including the Mondo-III matrix switch, the 9D Distribution amplifier and the Morphit EQ card. As with all MultiView™ receivers, the MVII-DVI-RX-1k is Daisy chainable and comes in two varieties; -A and -SAP this allows you to purchase only the capabilities you need.

The MVII-DVI-Rx-1K features automatically adjusted EQ and Skew compensation providing a video image upon connection, greatly simplifying the initial installation and setup. These adjustments can also be fine-tuned manually. The skew compensation can be varied in 2 ns increments to 65 ns total per color-channel to cancel the effects of skew in Category cables. This feature allows you to use a variety of twisted pair cables (both "standard" and "low-skew" types) to lengths up to 1000ft (305m).

The MVII-DVI-Rx-1K supports a range of standard video formats 640x480 to 1920x1080.

MVII-DVI-TX: 2620063-02 (-A/S), 2620066-02 (-SAP)

MVII-DVI-RX-1k: MVII-DVI-RX-1K-S/A, MVII-DVI-RX-1K-SAP