



Extend DVI and USB over one CAT-5 cable up to 330 feet



EXT-DVIKVM-ELR

Extra Long Range Extender for DVI and USB over one CAT-5 cable

The DVIKVM ELR extends DVI and USB from a source to a monitor, touch screen display, over a single CAT-5 cable, up to 330 feet (100 meters). HDCP, USB 2.0 (up to 30 Mbps), and USB1.1 are supported. The Receiver unit accommodates up to three USB devices, providing access to keyboard/mouse, printers, scanners, and external storage media. Typical applications include remote workstations and interactive digital signage with touchscreens. This product uses Gefen's ELR implementation that integrates the proven HDBase™ technology with powerful EDID Management capabilities.

How It Works

If the Sender and/or the Receiver unit will be placed on a shelf, attach the included rubber feet to the bottom of each unit. If a unit is to be mounted in a standard 19-inch wide rack, use the Gefen EXT-RACK-1U rack tray, available separately. Attach each unit to the rack tray using two 6-32, 5mm long, flat head machine screws. Use the included DVI and USB cables to connect the DVIKVM ELR Sender unit to a DVI/USB source such as a computer or signage player. Using a DVI cable, connect the Receiver unit to a computer monitor, TV, or digital signage display that has a DVI input. Connect up to three USB devices to the Receiver Unit. Use one CAT-5e or better cable, up to 330 feet (100 meters) long, to connect the Sender to the Receiver unit. Connect the included power supplies to the locking connectors on the Sender and Receiver units. Connect the two AC power cords provided to these power supplies and to available electrical outlets. Power LEDs on both units will glow to indicate that the Sender and Receiver are powered on. Link, USB, and DVI indicators on front panels of each unit will light up to indicate successful interface between Sender and Receiver, and between each unit and the connected USB and DVI devices. See manual for more details.

Features*

- Extends DVI and USB 2.0 up to 330 feet (100 meters)
- Supports resolutions up to 1920 x 1200 (WUXGA) and 1080p Full HD
- Extends USB 2.0 up to 330 feet (100 meters)
- Supports up to 30 Mbps of data throughput when using USB 2.0
- Backward-compatible with USB 1.1
- HDCP support (when in EDID pass-thru mode)
- EDID management for rapid integration of source and display
- Supports all Operating Systems
- Locking Power Supply connectors
- 1U tall, half rack width enclosures
- Ideal for placement on a shelf or rack mounting using the EXT-RACK-1U tray (available separately)

Specifications*

- Maximum Pixel Clock: 165 MHz
- Maximum TMDs Clock: 165 MHz
- Video Input Connector (Sender): (1) DVI-I 29-pin, female (digital only)
- Video Output Connector (Receiver): (1) DVI-I 29-pin, female (digital only)
- USB Host Connector (Sender): (1) USB Type B, female
- USB Device Connectors (Receiver): (3) USB Type A, female, 500mA per port
- Link Connector (Sender/Receiver): (1) RJ-45, Shielded
- Power Supply (Sender/Receiver): 5V DC, Locking
- Power Consumption (Sender/Receiver): 10W (max.)
- Operating Temperature: +32 to +104 °F (0 to +40 °C)
- Operating Humidity: 20% to 80% RH, non-condensing
- Storage Temperature: -4 to +158 °F (-20 to +70 °C)
- Storage Humidity: 10% to 90% RH, non-condensing
- Dimensions (W x H x D, Sender/Receiver, excluding feet and connectors): 8.4" x 1.6" x 4.5" (213mm x 41mm x 113mm)
- Net Weight (Sender/Receiver): 1.0 lbs (0.45 kg) each
- Shipping weight: 8 lbs.



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