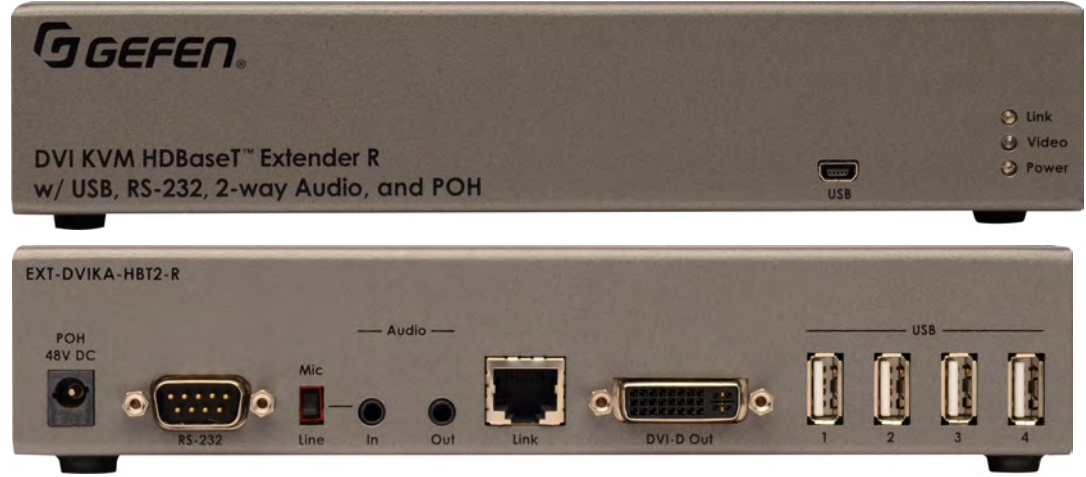
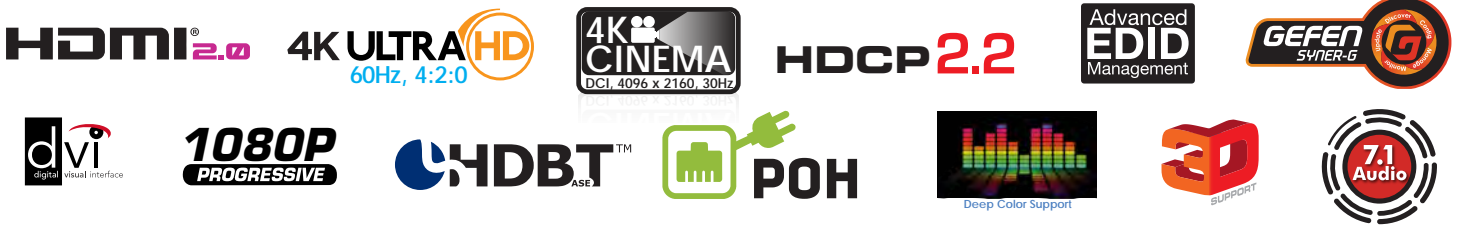
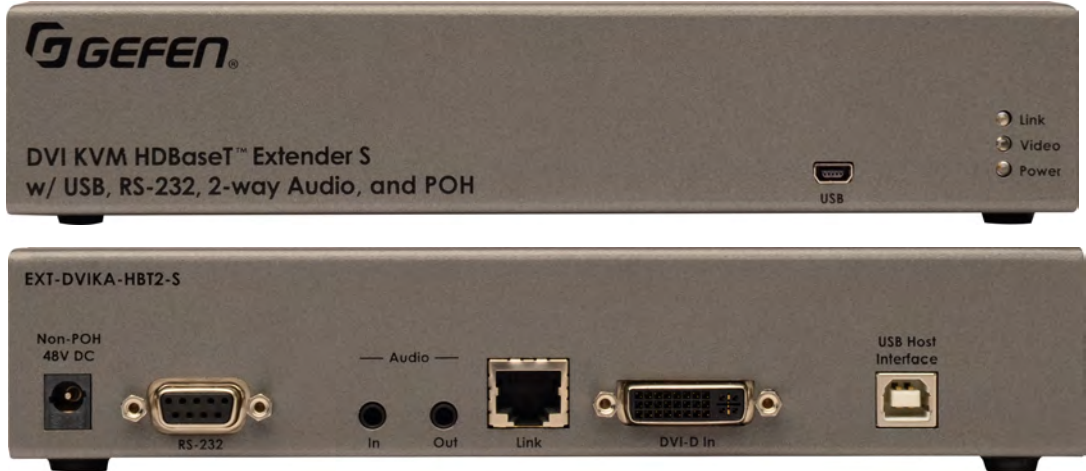




DVI KVM HDBaseT 2.0 Extender

with USB, RS-232, 2-way IR, 2-way Audio, and POH
EXT-DVIKA-HBT2



The EXT-DVIKA-HBT2 uses Gefen’s implementation of the latest HDBaseT™ 2.0 technology to extend DVI over a single CAT-5e cable, up to 495 feet (150 meters). The new HDBaseT™ 2.0 Colligo™ platform provides additional features such as USB and 2-way audio extension, and ensures an even more robust and resilient connection than the industry standard HDBaseT™. Resolutions up to 1080p and 1920 x 1200 (WUXGA) are supported. HDMI resolutions up to 4K DCI-Cinema (4096 x 2160 @ 30 Hz 4:4:4) and 4K Ultra HD (3840 x 2160 @ 60 Hz 4:2:0) along with 7.1 channels of LPCM and HBR (High Bit Rate) lossless digital audio are also supported when using Gefen DVI to HDMI cables. Supported HBR formats include Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™. USB, RS-232, and 2-way L/R analog audio can be extended between the Sender and the Receiver to accommodate a complete workstation including keyboard, mouse, select USB peripherals, microphone, headphones, and powered speakers. POH (Power Over HDBaseT™) technology provides power from the Receiver to the Sender unit, using the same CAT-5 cable that extends the DVI, audio, and control signals. Only the Receiver unit needs an external power supply. The POH standard ensures compatibility with other POH class-compliant devices. The Gefen Syner-G™ software with its powerful EDID Management capabilities speeds up configuration, performs real-time performance analysis via Link Monitoring, and simplifies in-field firmware updates. 1U tall, half-rack-width enclosures can be surface-mounted, installed in a standard 19-inch rack using the EXT-RACK-1U-GRY rack tray, or be placed on a shelf.

Installation Tip: Shielded (STP) CAT-5e or better cable is recommended. Unshielded (UTP) CAT-5e or better cable may be acceptable depending on cable quality, but results could vary. Care should always be taken to keep the link cable away from power lines and other sources of electromagnetic interference.

Features*

- Extends DVI, USB, RS-232, and 2-way Audio over a single CAT-5e
 - 1080p Full HD (1920 x 1080 @ 60Hz, 4:4:4, 12-bit), up to 330 feet/100 meters
 - 1080p Full HD (1920 x 1080 @ 60Hz, 4:4:4, 8-bit), up to 495 feet/150 meters
 - WUXGA (1920 x 1200 @ 60Hz, 8-bit), up to 495 feet/150 meters
- Extends HDMI, USB, RS-232, and 2-way Audio over a single CAT-5e
 - 4K Ultra HD (3840 x 2160 @ 60Hz, 4:2:0, 8-bit), up to 330 feet/100 meters
 - 4K Ultra HD (3840 x 2160 @ 30Hz, 4:4:4, 8-bit), up to 330 feet/100 meters
 - 4K DCI-Cinema (4096 x 2160 @ 30Hz 4:4:4, 8-bit), up to 330 feet/100 meters
 - 1080p Full HD (1920 x 1080 @ 60Hz, 4:4:4, 12-bit), up to 330 feet/100 meters
 - 1080p Full HD (1920 x 1080 @ 60Hz, 4:4:4, 8-bit), up to 495 feet/150 meters
 - WUXGA (1920 x 1200 @ 60Hz, 8-bit), up to 495 feet/150 meters
- HDMI Features Supported:
 - HDMI 2.0 up to 4K 60Hz, 4:2:0, 8-bit color
 - HDCP 2.2 and 1.4
 - 12-bit Deep Color
 - LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™ pass-through
 - 3DTV pass-through
 - CEC pass-through
 - Lip Sync pass-through
- Analog L/R Stereo Audio extension from Sender to Receiver and from Receiver to Sender
- Receiver audio input accommodates a microphone or a line level audio source
- POH (Power Over HDBaseT™) feature provides power to Sender unit over the link cable - only the Receiver needs external power
- Advanced EDID Management via Gefen Syner-G™ software
- Link Quality Monitoring via Gefen Syner-G™ software
- In-field firmware update via USB, using Gefen Syner-G™ software
- Locking power connector
- 1U tall, half-rack-width enclosures can be:
 - Surface-mounted
 - Installed in a standard 19-inch rack using the EXT-RACK-1U-GRY rack tray (available separately)
 - Placed on a shelf

Specifications*

- Maximum Pixel Clock: 300 MHz
- Video Input connector (Sender): (1) DVI 29-pin, female, digital only
- Video Output connector (Receiver): (1) DVI 29-pin, female, digital only
- Link connector (Sender/Receiver): (1) RJ-45, shielded, female
- USB Host Interface port (Sender): (1) USB Type B, female
- USB Device ports (Receiver): (4) USB Type A, female
- USB port for Gefen Syner-G™ interface (Sender/Receiver): (1) Mini-B
- RS-232 port (Sender): (1) DB-9, female
- RS-232 port (Receiver): (1) DB-9, male
- Analog L/R Line Audio Input connector (Sender): (1) 3.5mm mini-stereo jack
- Analog L/R Mic/Line Audio Input connector (Receiver): (1) 3.5mm mini-stereo jack
- Analog L/R Audio Output connector (Sender/Receiver): (1) 3.5mm mini-stereo jack
- Mic/Line selector switch (Receiver): (1) slide type
- Power/Video/Link Indicator LEDs (Sender/Receiver): (1) Blue, (1) Amber, (1) Green
- Power Supply connector (Sender/Receiver): (1) 48V DC, locking
- Power Consumption (Sender and Receiver combined): 13W
- Operating Temperature: +32 to +122 °F (0 to +50 °C)
- Operating Humidity: 5% to 90% RH, non-condensing
- Storage Temperature: -4 to +185 °F (-20 to +85 °C)
- Storage Humidity: 0% to 95% RH, non-condensing
- MTBF: 50000 hours
- Dimensions (W x H x D, Sender/Receiver, not including connectors and feet): 8.4" x 1.7" x 4.3" (214mm x 43mm x 110mm)
- Net Weight (Sender/Receiver): 1.1 lbs (0.47 kg) each
- Shipping Weight: 5.5 lbs. (2.5 kg)

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