DIGITUS® HDMI Fiber KVM IP Extender Set, 4K/60Hz

DS-55348

EAN 4016032501862



HDMI Fiber KVM Extender Set 4K/60Hz, 40 km/300 m, IP 1G, Black

The HDMI Fiber KVM Extender Set enables high-resolution AV signal transmission in 4K/60Hz (3840x2160p) over long distances using fiber optic cables. Both singlemode (SM) and multimode (MM) cables are supported. In a point-to-point connection, signals can be transmitted loss-free over distances of up to 40 km (singlemode) or 300 m (multimode). In addition, the device allows a point-to-multipoint connection with the option of distributing signals to up to 253 receivers (displays). Thanks to the support of 1G network switches and the use of the existing 1G infrastructure, signal transmission over unlimited distances is possible. This is achieved by cascading, allowing the system to be expanded flexibly. For projects with many displays, the extender set can be expanded with additional receivers (RX), whereby additional receiver units are available separately (model: DS-55349). The system is compatible with LC and SC SFP modules, whereby the appropriate SFP modules are available separately (LC singlemode (SM): DN-81002, LC multimode (MM): DN-81000). The option of using both singlemode and multimode fiber optic cables ensures a high degree of flexibility for different areas of application. Another outstanding feature of the extender is the KVM function on the receiver side, which enables the connection of a mouse and keyboard to control the signal source directly. In addition, a 3.5 mm stereo connection is available for separate audio output to ensure optimum sound transmission. These extensive functions make the HDMI Fiber KVM Extender Set ideal for data centers, conference rooms, digital signage, broadcast environments and industrial applications that require stable, lossless and high-resolution AV transmission over long distances.

Enables HDMI signal transmission in UHD resolution (4K/60Hz) over a distance of up to 40 km (singlemode) / 300 m (multimode) in point-to-point connection and offers a KVM function on the receiver side

- Max. Resolution: Ultra HD 4K/60Hz (3840x2160p)
- Max. Range: Singlemode (SM) up to 40 km, multimode (MM) up to 300 m (point-to-point connection)
- HDMI 2.0
- HDCP 2.2 / 1.4
- Max. Video bandwidth: 18 Gbps
- Latency: 80-140 ms
- Max. HDMI cable length: 5 m
- Suitable for wall mounting
- Supports up to 253 receiver units
- Protection against short circuit, overvoltage, ESD (electrostatic discharge)
- Transmitter unit (TX) connections:
- 1x HDMI input (4K/60Hz) - Signal source connection
- 1x HDMI output (4K/60Hz) - local display connection
- 1x SFP output (LC, SC) - SFP module connection
- 1x USB-A (1.1) - Signal source connection (PC)
- 1x power supply connection (DC 5V/2A) - external power supply connection
- 1x RS232 Pass Trough - control of connected devices
- 1x Micro USB - FW Update Port
- 1x 3.5 mm stereo audio input - separate audio output
- 1x reset button
- 3x status LED
- Receiver unit connections (RX):
- 1x HDMI output (4K/60Hz) - Display connection
- 1x SFP input (LC, SC) - SFP module connection
- 2x USB-A (1.1) - Mouse & keyboard connection
- 1x power supply connection (DC 5V/2A) - external power supply connection
- 1x RS232 Pass Trough - control of connected devices
- 1x Micro USB - FW Update Port
- 1x 3.5 mm stereo audio output - separate audio output
- 1x reset button
- 3x status LED
- Operating temperature: -10° - 50° C
- Power consumption: TX approx. 7.5 W, RX approx. 7.5 W
- Compression: H.265
- Dimensions (1 unit): L 10.6 x W 10.3 x H 2.6 cm
- Weight: TX 307 g, RX 303 g
- Housing: Metal
- Color: Black

Attributes

- HDTV Standard: Ultra HD 4K
- Resolution max.: 3840 x 2160 Pixel, 60Hz
- Distance: 40000 m
- KVM: yes
- PoE (Power over Ethernet): no
- Transmission technology: Fiber
- Video connection ports: HDMI

Package contents

- 1x transmitter unit
- 1x receiver unit
- 2x mains adapter, EU plug (DC 5V/2A, 1.2 m)
- 1x USB cable (1.2 m)
- 1x mounting material (wall mounting brackets, screws)

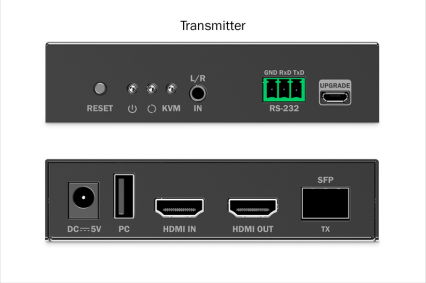
- 2x RS232 terminal block
- 2x earthing screws
- 1x operating instructions

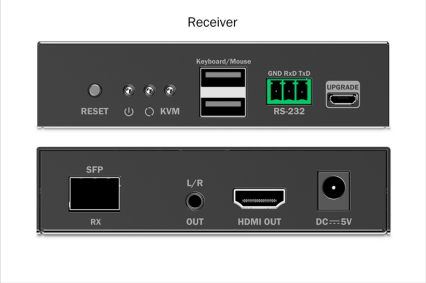
Logistics

	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	10	12.18	42.00	27.00	38.00	43,092.00
Packaging Unit Inside	1	1.22	0.00	0.00	0.00	0.00
Packaging Unit Single	1	1.22	24.00	17.60	8.00	3,379.20
Net single without Packaging	1	0.61	10.60	10.30	2.50	0.00

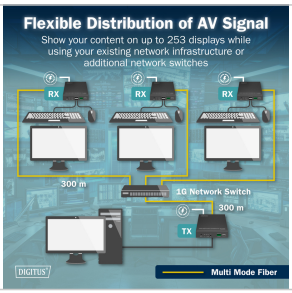
More images:

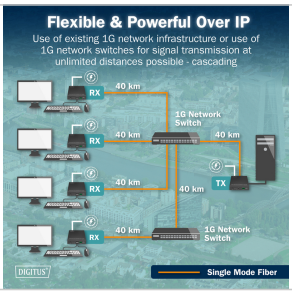














Safety notes

- If the device is powered by a plug-in power supply, ensure that the power adapter is connected correctly and meets the specified requirements (e.g. voltage and current).
- Only use certified CAT5e or CAT6 cables to ensure stable signal transmission.
- For particularly long cable runs or in environments prone to interference, it is recommended to use shielded network cables.
- Make sure that all connections are tight and secure to avoid loose contacts that could affect the signal quality. Make sure that the HDMI and Ethernet connections are connected correctly.
- Make sure that the CAT cable is not laid near high-voltage power lines or other strong sources of electromagnetic interference to avoid signal interference.
- Only operate the device within the specified temperature range.
- Do not use the device outdoors or in damp or wet environments

- Check all connections and cables regularly for wear or damage. Cables and connections can wear out, especially with frequent use or long installations, which can lead to poor signal quality or system failure.

EU responsible person

EU based economic operator ensuring the product complies with the required regulations.

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