



The end to end Extenders are designed for high-quality, AV extension with minimum latency through 10 Gigabit IP transmit over SFP+ Fiber cable. Small and compact size of Transmitter and Receiver design, enhancing the flexibility of any installation. With ultra-light compression scheme (lossless for most content) to extending 4K audio/video streams and data under 0.1 milliseconds of matrix switch-like end to end transit. Supports all HDMI 2.0 formats pass-through including multichannel PCM, Dolby True HD and DTS HD master audio.

PANELS

TX



Front View



Rear View

RX



Front View



Rear View

FEATURES

- Point to point extension of audio, video and control signals
- Full range of formats including 4K60 RGB/4:4:4, HDR10, 3D and broadcast-friendly 4K60 10-bit 4:2:2
- Transmitter and Receiver design.
- Extension up to 30km (maximum distance depends on the SFP+ module and type of fiber used)
- Supports pass-through of 10/12-bit HDR sources
- Signal transmission interfaces with 10-Gigabit Ethernet switches via XFI (IEEE 802.3ae) compatible 10-Gigabit Ethernet connector

ORDERING INFORMATION

Model No.	Product Description
VEX-X1102T-B0F	UHD ⁺ HDMI AV over Fiber Extender
VEX-X1102R-B0F	UHD ⁺ HDMI AV over Fiber Extender

SPECIFICATIONS

TX

Interfaces

Input Port	1 HDMI (Type A)
Output Port	1 10GbE LAN (SFP+)
Bi-directional Port	
Control I/O	1 USB (Mini-B)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.2
Input Signal Types	4K@60 YUV 4:4:4
Output Signal Types	4K@60 YUV 4:4:4

Resolutions

Maximum Input	HDMI	4096×2160p@60 YUV 4:4:4
Maximum Output	SFP+ (Streaming)	4096×2160p@60 YUV 4:4:4

Audio

HDMI	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
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Power

Power Supply	5V/2.6A DC (Locking)
Power Consumption	TBD

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	57mm×20.6mm×87mm [Case Only] 60mm×20.6mm×87mm [All Inclusive]
Weight	139g

RX

Interfaces

Input Port	1 10GbE LAN (SFP+)
Output Port	1 HDMI (Type A)
Bi-directional Port	
Control I/O	1 USB (Mini-B)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.2
Input Signal Types	4K@60 YUV 4:4:4
Output Signal Types	4K@60 YUV 4:4:4

Resolutions

Maximum Input	LAN (Streaming)	4096×2160p@60 YUV 4:4:4
Maximum Output	HDMI	4096×2160p@60 YUV 4:4:4

Audio

HDMI	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
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Field Firmware Update

PC

DIAGRAM

