AVX-105F-KIT

AVX Full 4K USB-C to HDMI AV over Fiber Transmitter/Receiver KIT

The AVX-105F-KIT 4K UHD+ USB-C to HDMI over fiber KIT is designed for high-quality AV extension with minimal latency thanks to AVX technology.

By using a sophisticated ultra-light compression scheme (lossless for most content) it's a great solution for extending 4K@60Hz (4:4:4) HDMI audio/video streams.

Advanced HDMI content such as HDR (High Dynamic Range), 10-bit colour and multi-channel HD Bitstream audio can be easily transmitted. The use of interchangeable, field replaceable, SFP+ modules allows for transmission distances of up to 30km (Maximum transmission distance depends on the SFP+ modules used). In addition, this unit's compact form factor makes it ideal for installation in tight spaces, or inclusion in A/V travel kits.

This KIT includes both the transmitter and receiver and also includes standard SFP+ modules capable of transmission distances of up to 300m with OM3 fiber cable. (Fiber cable not included).

PANELS

TX

Front View

Rear View

RX

Front View

Rear View

FEATURES

- HDMI 2.0 (via USB-C) compatible
- HDCP 2.2 and HDCP 1.x compliant
- TX: 1 x USB-C input & 1 x fiber (SFP+) output
- RX: 1 x fiber (SFP+) input & 1 x HDMI output
- Ultra-light compression, lossless for most content
- Extension up to 30km (maximum distance depends on the SFP+ module and type of fiber used)
- Supports up to 4K UHD+ (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output)
- Supports pass-through of 10/12-bit HDR sources
- Supports pass-through of audio formats including LPCM (up to 8 channels), Bitstream and HD Bitstream
- Simple, hassle free, point-to-point connection

ORDERING INFORMATION

Model No.	Product Description
AVX-105F-KIT	AVX Full 4K USB-C to HDMI AV over Fiber Transmitter/Receiver KIT

SPECIFICATIONS

TX

Interfaces

Input Port	1x USB-C [1x TX: USB-C / Thunderbolt]
Output Port	1x SFP + [1x SFP + LC/PC-LC/PC Duplex MM OM3]
Bi-directional Port	
Control I/O	1x USB Micro [1x Service port Propriety Data]

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)	
HDCP Compliance	2.x	
Input Signal Types	4K@60 YUV 4:4:4	
Output Signal Types	4K@60 YUV 4:4:4	
		Resolutions
Maximum Input	USB-C	3840×2160p@60 YUV 4:4:4
Maximum Output	SFP+ (Streaming)	3840×2160p@60 YUV 4:4:4

Audio

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

Power

Power Supply	5V/2.6A DC (Locking)
Power Consumption	7W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	60mm×24.75mm×95mm [Case Only] 60mm×26mm×103mm [All Inclusive]
Weight	170g

RX

Interfaces

Input Port	1x SFP + [1x SFP + LC/PC-LC/PC Duplex MM OM3]
Output Port	1x HDMI [1x HDMI Uncompressed AV and Data]
Bi-directional Port	
Control I/O	1x USB Micro [1x Service port Propriety Data]

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

Power

Power Supply	5V/2.6A DC (Locking)
Power Consumption	4.62W

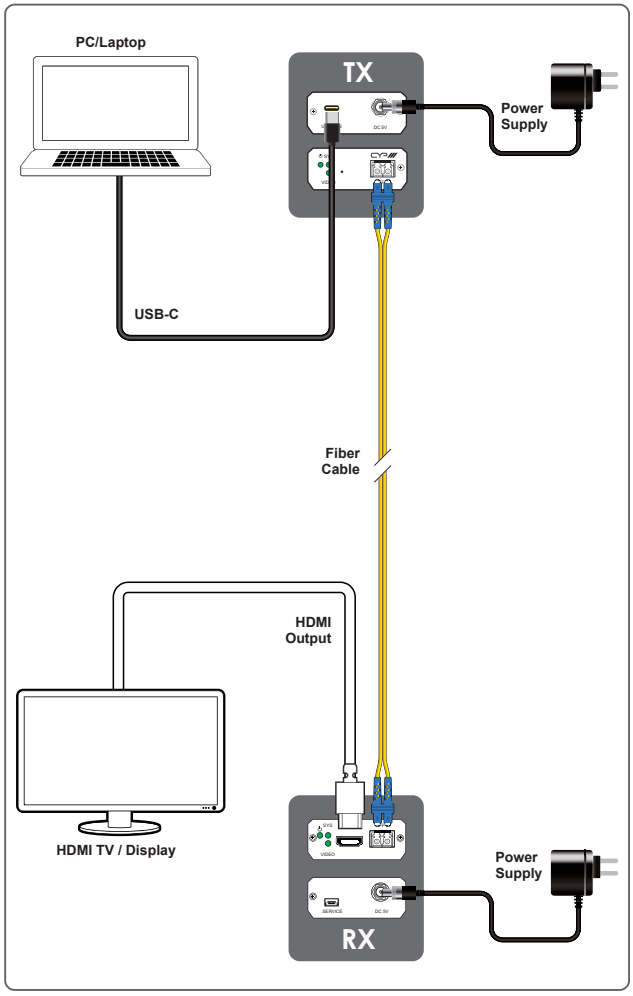
Enclosure

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

Field Firmware Update

PC

DIAGRAM


PC/Laptop
TX
Power Supply
USB-C
Fiber Cable
HDMI Output
HDMI TV / Display
Power Supply
RX