4K HDMI 2.0 AV Over IP Extender with USB2.0 KVM via Fiber

OVIP11HH-H20-U20

4K HDMI over IP extender which uses a visually lossless compression technology to deliver HDMI, RS232, and USB2.0/KVM up to a length from 300M to 60KM over 1Gb network with the in-build fiber SFP network interface..

The Tx and Rx units can be connected together for a Point-to-Point via optical fiber or a Point-to-Many connection via a network switch.

Features

➢ Support UHD 4K@60Hz YUV4:4:4 for both input and output over IP, video bandwidth 18Gbps.

➢ HDMI2.0 & HDCP2.2 compliant.

➢ Support HDR10/HDR10+/Dolby vision.

➢ Support 1Gbps SFP fiber module expansions.

➢ USB2.0 downstream port.

➢ Support USB 2.0 DVD/CD drives, USB mass storage devices, PC hard drives and ISO images.

➢ Audio formats support Dolby Atmos, TrueHD, Digital+, DTS X, HD Master Audio, HD High Resolution Audio,PCM2-8CM.

➢ Support too-way RS232.

➢ Ultra-low latency - less than 5ms.

➢ Low EMI. Small size and easy installation.

➢ Virtually unlimited system size.

➢ Ideal solution for digital signage applications.

Optical

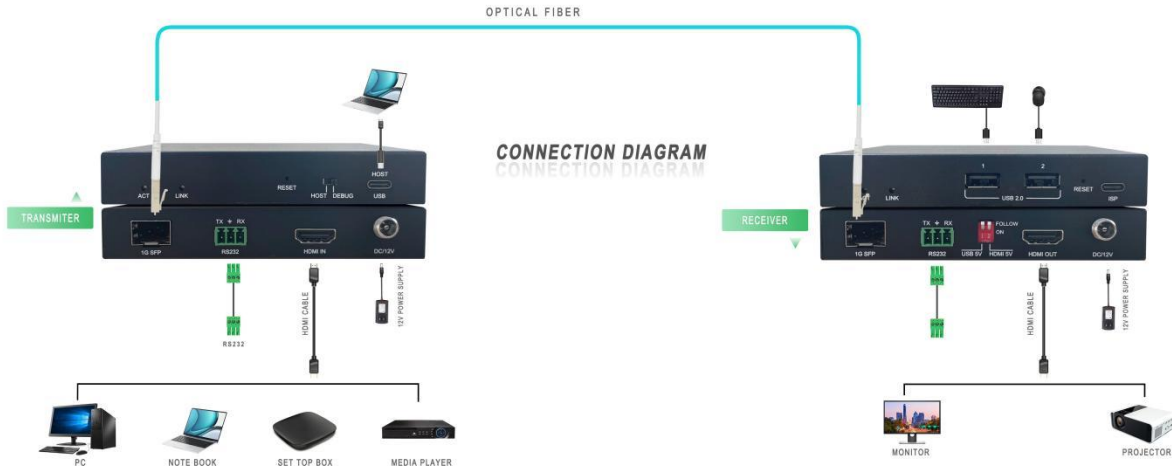➢ Optical source: 1Gb SFP module

➢ Distance: 300M to 60KM

Package

➢ TX x 1

➢ RX x 1

➢ 12V power adapter x 2

➢ USB type-c cable x 2

➢ Phoenix terminal(male) x 2
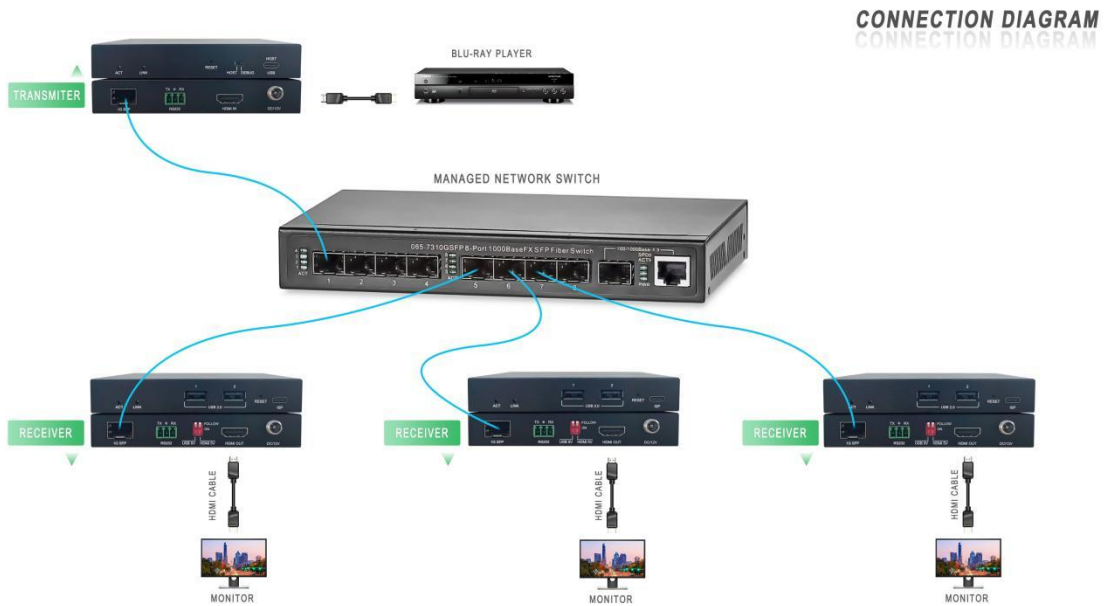
➢ Mounting bracket with screw

Application

1. Point-to-Point Extender

2. Point-to-Many Splitter Extender (Using a Network Router/Switch)

Specification

	Transmitter(Encoder)	Receiver(Decoder)
HDMI compliance	HDMI 2.0	
HDCP	HDCP2.2/1.4	
Video Bandwidth	18Gbps	
Transmission Distance	300M-60KM	
Video Resolution	4Kx2K@60HZ(4:4:4 8bit)	
Video Compression Standard	Self-define coding	
Video Network Bandwidth	1Gbps	
Connector	HDMI-A 19 Pin (male)	
Fiber	1GB SFP module	
USB/KVM Port	1xUSB 2.0 Type-C(HOST)	2xUSB 2.0 Type-A(Device)
RS232	3 pin terminal Phoenix connector	
LEDs	ACT LED: Solid（Red）when power supply is connected	
	LINK LED: Flashing（Blue）when the unit is streaming video	
ESD Protection	Human body model-±8KV(air-gap discharge) &±4KV(contact discharge)	
Latency	<5ms	
Power Supply	12V/2A DC	
Power Consumption	3W	3W
Color	Black	Black
Dimension (LxWxH)	Model: 120x75x20mm	Model: 120x75x20mm
	Package:270x150x85mm	
Weight	Model: 300g	Model: 300g
	Package: 950g	
Environment	Operating Temperature Range: 0°C~40°C Storage Temperature Range: -20°C~60°C	
Relative Humidity	20-90% RH (no condensation)	