



Benefits

- ▶ Zero latency with near-lossless video compression
- ▶ Extend uncompressed video & audio up to 10Gbps
- ▶ Extend HDMI 2.0 signal point-to-point, up to 10 km
- ▶ Supports resolutions up to 3840 x 2160@60Hz
- ▶ Support Single / Multi-mode fiber transmission

Applications

- Surveillance System
- Broadcasting
- Transportation
- Conference System
- Video Edit System
- Digital Signage
- Factory Automation
- Server Room

Product Specifications

Technical	Transmitter / Receiver
Interface Protocol	HDMI 2.0; HDCP 2.2
Interface Bandwidth	10 Gbps
Pixel Bandwidth	600MHz
Maximum Resolution	3840x2160 @ 60Hz
HDMI Cable Range	Less than 5m at a resolution of 1080P @ 60Hz
Interface Type	3.5mm Stereo audio socket
Supported Audio Formats	44.1K, 48K, 96K, 176K, 192K sampling rates
Interface Type	Phoenix terminal block
Baud Rate & Data Bits	4800~115,200 bps; 8-bit data width
KVM Function	USB-A for keyboard and mouse
Interface Connection	LC interface
Optical Transceiver Type	SFP single-mode
Optical Wavelength	Single-mode: 1310nm; Multi-mode: 850nm
Bandwidth & Range	10 Gbps infrastructure; 10km for default single-mode 300m for multi-mode
Optical Attenuation	-5dB

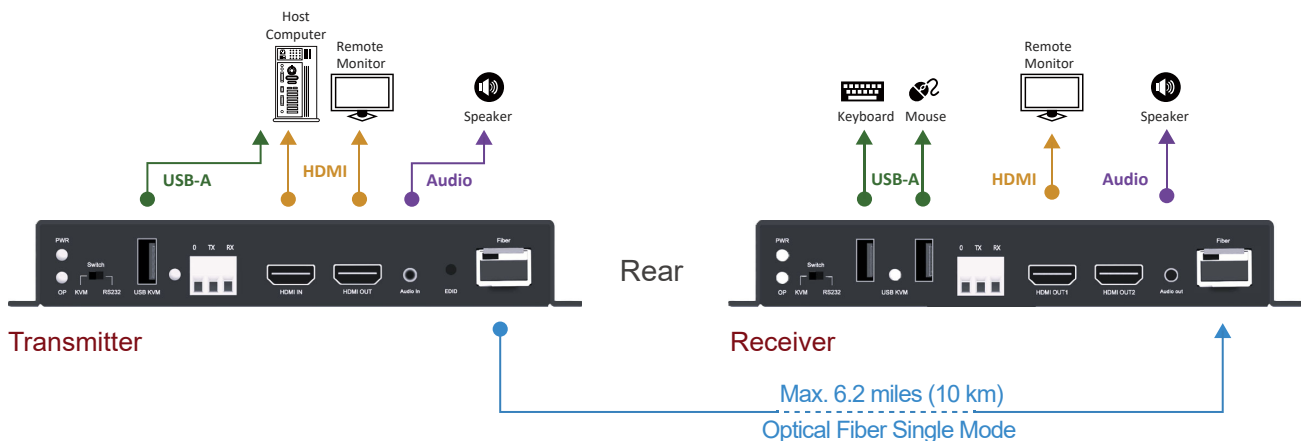
Power	Transmitter / Receiver
Input	12V / 1A (each unit)
Consumption	4W (each unit)

Physical	Transmitter	Receiver
Product (W x D x H)	180 x 130 x 25 mm (each unit) 11.0 x 8.5 x 3.7 inches (each unit)	
Packing (W x D x H)	280 x 215 x 95 mm 11.0 x 8.5 x 3.7 inches	
Net weight	0.47 kg 1.04 lbs	0.48 kg 1.06 lbs
Gross weight	1.40 kg 3.09 lb	
Chassis color	Black	
Chassis materials	Aluminum	

Environment	
Operating temp.	-20 to 60°C degree
Storage temp.	-30 to 70°C degree
Relative humidity	0 ~ 90% (no condensation)

Compliance	
Safety	FCC / CE
Environment	RoHS3 / REACH

Connection Diagram



Design Overview

Transmitter



Rear

Receiver



Rear

	Port	Function
Transmitter	Power	Connects to the included 12V/1A power adapter.
	USB KVM	Connects to the host computer / device.
	HDMI IN	Connects to the host computer / device.
	HDMI OUT	Local HDMI loop-out interface to attach a local display monitor.
	Audio IN	Connects to an external analog stereo audio input.
	Switch	Keyboard mouse / RS232 selection.
	EDID Button	Initiates the monitor's EDID learning sequence.
	RS232	Integrates the RS232 serial control line.
Receiver	Power	Connects to the included 12V/1A power adapter.
	HDMI OUT	Local HDMI outputs to route to your remote video displays.
	USB KVM	USB Keyboard & Mouse
	Audio In	Outputs extracted analog stereo audio to local speakers or sound bars.
	Switch	Keyboard mouse / RS232 selection
	RS232	Direct RS232 serial device interface connection.

LED Indicators

	Indicator	Description
Transmitter / Receiver	PWR	Glows steadily when power is securely supplied to the unit.
	OP	On: Operating normally Off: The optical module is loose, disconnected, or faulty.
	USB KVM	Flash: Working Off: No Keyboard and mouse signal detected
	Light of HDMI	On: Video link is active Off: No video input signal is detected.