



Benefits

- ▶ Zero latency with near-lossless video compression
- ▶ Extend uncompressed video & audio up to 18 Gbps
- ▶ Extend DP 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
DP Version	DP 1.2, DP 1.0
HDCP Version	HDCP 1.3
Fiber Optic Interface	SFP Fiber Optic Interface (LC/PC) Wavelength: 1310 nm
Bandwidth & Range	18 Gbps
Transmission Distance	10~80 km for default single-mode 0~2 km for multi-mode
Maximum Resolution	3840x2160 @ 60Hz
Supported Audio Formats	LPCM / DTS-HD / DTS-Audio / Dolby Digital 5.1CH
HDR10 (YUV 4:4:4)	Supported
EDID Pass-Through	Supported
KVM Function	USB-A for keyboard and mouse
Input TMDS Signals	0.7~1.2 Vp-p
Input DDC Signals	5 Vp-p

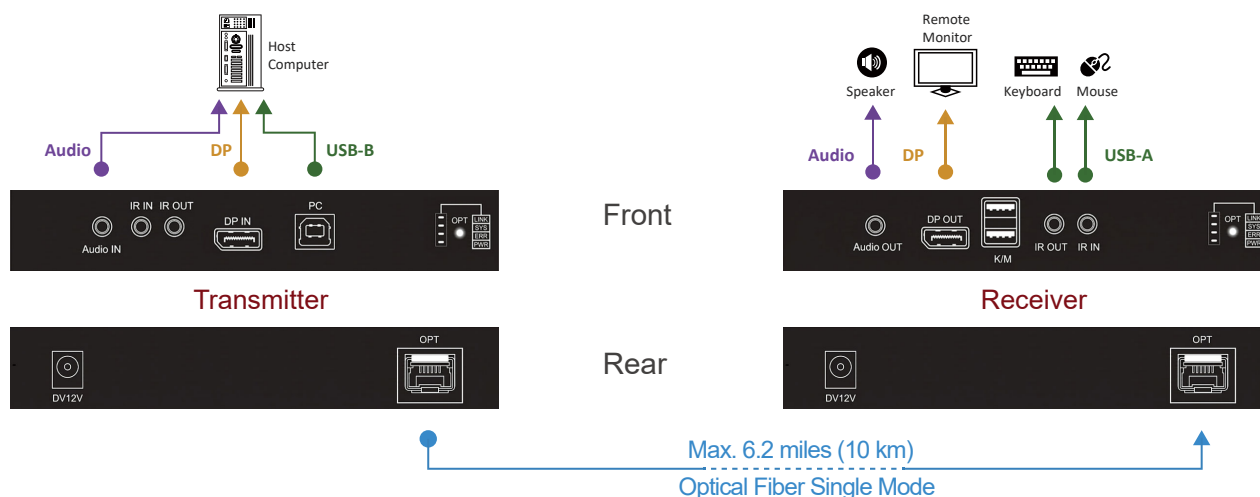
Power	Transmitter / Receiver
Input	12V / 1.5 A (each unit)
Consumption	5W (each unit)

Physical	Transmitter	Receiver
Product (W x D x H)	180 × 150 × 28 mm (each unit) 7.1 × 5.9 × 1.1 inches (each unit)	
Packing (W x D x H)	295 x 220 x 110 mm 11.6 x 8.7 x 4.3 inches	
Net weight	0.47 kg	0.48 kg
	1.04 lbs	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

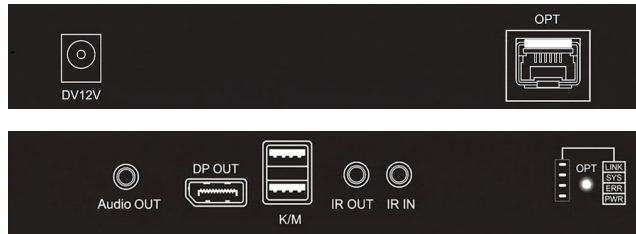
Transmitter



Front

Rear

Receiver



Front

Rear

	Port	Function
Transmitter	Power	Connects to the included 12V power adapter.
	OPT	SFP Fiber Optic Interface (LC/PC), Wavelength:131NM
	PC	USB-B : Connects to the host computer / device
	DP IN	Connects to the host computer / device
	IR IN	Bidirectional infrared via 3.5mm interface
	IR OUT	Bidirectional infrared via 3.5mm interface
	Audio In	Connects to an external analog stereo audio input.
Receiver	Power	Connects to the included 12V power adapter.
	OPT	SFP Fiber Optic Interface (LC/PC), Wavelength:131NM
	DP OUT	Local DP outputs to route to your remote video displays.
	K/M	USB Keyboard & Mouse
	Audio IN	Outputs extracted analog stereo audio to local speakers
	IR IN	Bidirectional infrared via 3.5mm interface
	IR OUT	Bidirectional infrared via 3.5mm interface

LED Indications

	Indicator	Description
Transmitter / Receiver	PWR	Steady on = Power normal Off = No power
	LINK	Steady on = Fiber link normal Flashing = Not synchronized Off = No signal
	ERR	Steady on = Fault detected Off = Operating normally
	SYS	Flashing = System is running normally