



Benefits

- ▶ Superior video quality with near-lossless compression
- ▶ Extend VGA signal point-to-point, up to 20 km
- ▶ Supports video resolutions up to 2560 x 1080@60Hz
- ▶ Single-mode/ Multi-mode fiber transmission
- ▶ 4 x USB 2.0 hub port for peripheral devices

Applications

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

Product Specifications

Technical	Transmitter / Receiver
Input Signals	Transmitter: VGA, USB, RS232, AUDIO Receiver: MIC, IR
Output Signals	Transmitter: MIC, IR Receiver: VGA, RS232, AUDIO, 4-channel USB
Transmission Distance	Single-Mode (SM) Fiber: Up to 20km Multi-Mode (MM) Fiber: Up to 300m
Video	I/O Connector : HD-15 Pin VGA (Female) Bandwidth : >350MHz (-3dB) Sync Signal : >200KHz Resolutions : Up to 2560x1080 @ 60Hz
USB Specification	Transmitter: Type-B; Receiver: Type-A USB 2.0
Audio	3.5mm audio jack
RS-232 Serial	3-pin Phoenix connector Bidirectional extension
Cabling	Fiber Infrastructure : SM / MM / LC Wavelengths : 850nm / 1310nm / 1550nm

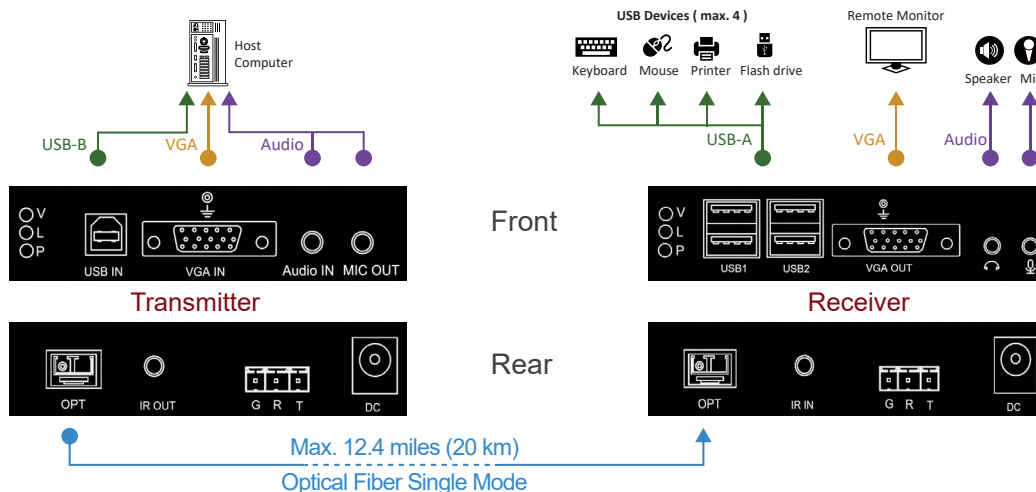
Power	Transmitter / Receiver
Input	12V / 1.5A (each unit)
Consumption	4W (each unit)

Physical	Transmitter	Receiver
Product (W x D x H)	131 x 93 x 32 mm (each unit) 5.2 x 3.7 x 1.3 inch (each unit)	
Packing (W x D x H)	282 x 254 x 70 mm 11.1 x 10 x 2.76 inch	
Net weight	0.26 kg 0.57 lbs	0.27 kg 0.60 lbs
Gross weight	1.27 kg 2.80 lb	
Chassis color	Black	
Chassis materials	Aluminum	

Environment	
Operating temp.	-15°C to 55°C (5°F to 131°F)
Storage temp.	-40°C to 80°C (-40°F to 176°F)
Relative humidity	0 to 95% (non-condensing)

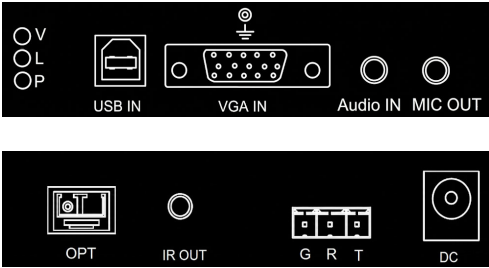
Compliance	
Safety	FCC / CE
Environment	RoHS3 / REACH

Connection Diagram



Design Overview

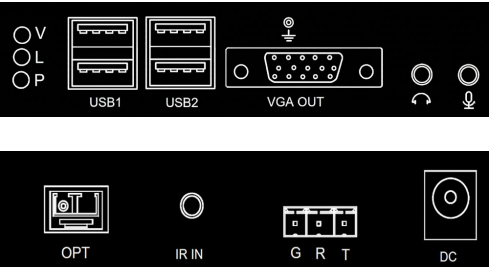
Transmitter



Front

Rear

Receiver



	Port	Function
Transmitter	USB IN	USB Type-B port for connecting the host computer/ device.
	VGA IN	VGA signal input to connect to the VGA host computer/ device.
	Audio IN	Connect a 3.5mm audio cable from this port to the host computer/ device.
	MIC OUT	Connect a 3.5mm audio cable from this port to the host computer/ device.
	OPT	Connector for optical fiber cable.
	IR OUT	IR signal output to connect to the IR emitter extension cable.
	GRT	Connect an RS-232 converter cable to the host computer/ device.
	DC	Connects to the included power adapter.
Receiver	USB1 / USB2	Hub ports for connecting supported USB peripheral devices.
	VGA OUT	VGA signal output to connect to the remote VGA display device.
	Audio OUT	Connect an external audio speaker to this port.
	MIC OUT	Connect a microphone to this port.
	OPT	Connector for optical fiber cable.
	IR IN	IR signal input to connect to the IR receiver cable.
	GRT	Connect an RS-232 converter cable to the display to be controlled.
	DC	Connects to the included power adapter.

LED Indicators

	Indicator	Color	Status	Description
Transmitter	P	Red	Solid Bright	The unit is powered on.
	L	Green	Solid Bright	The connection between the Transmitter and Receiver units is stable.
	V	Yellow	Solid Bright	A VGA input signal is detected by the Transmitter, and the Receiver has verified the display is working properly.
Receiver	P	Red	Solid Bright	The unit is powered on.
	L	Green	Solid Bright	The system detects a connection issue between the Transmitter and Receiver units.
	V	Yellow	Solid Bright	The Receiver unit has detected that the VGA display is working properly.