

OPF-H1000-A

HDMI Fiber Optic Extender



The IDK OPF-H1000-A is a transmitter and receiver set for long distance transmissions of HDMI signals over a fiber optic cable. The input signals are transmitted pass through and without compression so that the image quality can be kept. RS-232C serial bidirectional communication and analog audio transmissions are also supported.

FRONT & REAR PANEL



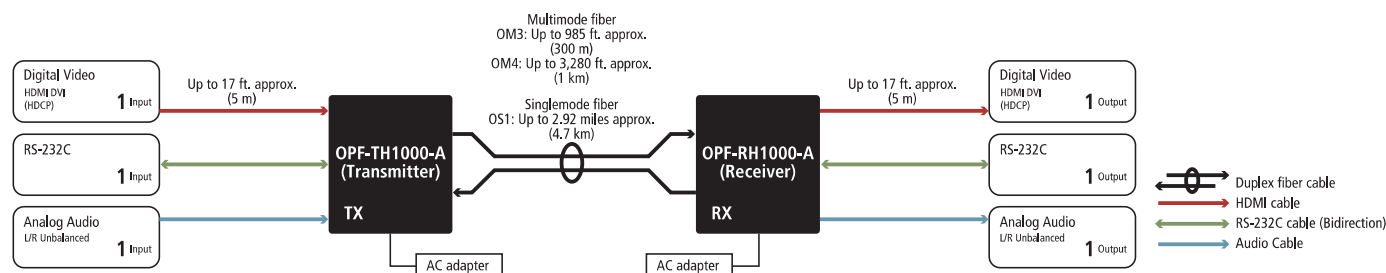
FEATURES

- Video:**
 - Up to WUXGA (RB)* or 1080p
 - Extension distance
 - Multimode fiber (OM3): 985 ft. approx. (300 m)
 - Multimode fiber (OM4): 3,280 ft. approx. (1 km)
 - Singlemode fiber (OS1): 2.92 miles approx. (4.7 km)
- Audio:**
 - Extends analog audio
- Others:**
 - Bidirectional communication via RS-232C
- Control:**
 - HDCP (Pass through)
 - CEC (Pass through)
 - AC adapter mechanical lock

PRODUCT SELECTION

Model Number	Fiber Type	Max. Distance
OPF-TH1000-A-MM	Multimode	OM3: 985 ft. approx. (300 m)
OPF-RH1000-A-MM		OM4: 3,280 ft. approx. (1km)
OPF-TH1000-A-SM	Singlemode	OS1: 2.92 miles approx. (4.7 km)
OPF-RH1000-A-SM		

CONNECTION DIAGRAM



SPECIFICATIONS

Model number			OPF-TH1000-A (Transmitter)	OPF-RH1000-A (Receiver)
Input	Video	Number / Signal	1 input / HDMI (HDCP 1.4: Pass through, CEC: Pass through) TMDS Single Link, TMDS clock: 25 MHz to 165 MHz	1 input / Fiber optic
		Connector	1 female HDMI Type A	2 LC connectors
		Others	Color depth: 24 bit	
		Formats	480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA / SVGA / XGA / WXGA (1280x768) / WXGA (1280x800) / Quad-VGA / SXGA / WXGA (1360x768) / WXGA (1366x768) / SXGA+ / WXGA+ / WXGA++ / UXGA / WSXGA+ / WUXGA * WUXGA: DVI, Reduced Blanking	
	Audio	Number / Signal	1 input / Multi-channel linear PCM up to 8 channels	1 input / Fiber optic
		Connector	1 female HDMI Type A	2 LC connectors
		Number / Signal	1 input / Stereo LR unbalanced signal	1 input / Fiber optic
		Connector	1 stereo mini jack (3.5 mm)	2 LC connectors
	Output	Number / Signal	1 output / Fiber optic	1 output / HDMI (HDCP: Pass through, CEC: Pass through) TMDS Single Link, TMDS clock: 25 MHz to 165 MHz
		Connector	2 LC connectors	1 female HDMI Type A
Output	Video	Others	Color depth: 24 bit	
		Formats	480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA / SVGA / XGA / WXGA (1280x768) / WXGA (1280x800) / Quad-VGA / SXGA / WXGA (1360x768) / WXGA (1366x768) / SXGA+ / WXGA+ / WXGA++ / UXGA / WSXGA+ / WUXGA * WUXGA: DVI, Reduced Blanking	
	Audio	Number / Signal	1 output / Fiber optic	1 output / Multi-channel linear PCM up to 8 channels
		Connector	2 LC connectors	1 female HDMI Type A
		Number / Signal	1 output / Stereo LR unbalanced signal	1 output / Stereo LR unbalanced signal
		Connector	2 LC connectors	1 stereo mini jack (3.5 mm)
	Plug & Play		DDC2B (EDID is copied from a connected monitor automatically)	
	Fiber optic cable	Suitable cable	Duplex fiber cable, SFP module (2 LC connectors)	
		Polishing	SFP for Multimode: PC (recommended) SFP for Singlemode: UPC (recommended), SPC supported * APC is not supported.	
	Signal transmission distance		Multimode fiber (OM3): 985 ft. approx. (300 m), Multimode fiber (OM4): 3,280 ft. approx. (1 km) Singlemode fiber (OS1): 2.92 miles approx. (4.7 km)	
Control	Serial control port	Number / Signal	1 port / Full duplex up to 115.2 kbps	
		Connector	1 male 9-pin D-Sub	
Others	AC adapter		Input: 100 - 240 VAC $\pm$ 10%, 50 Hz / 60 Hz $\pm$ 3 Hz, Output: 5 VDC 2 A 10 Watts (AC adapter is supplied)	
	Power consumption		About 6 Watts	About 6 Watts
	Dimensions		4.17(W) $\times$ 1.18(H) $\times$ 3.54(D)" approx. (106(W) $\times$ 30(H) $\times$ 90(D) mm) (Quarter rack, not including projections)	
	Weight		0.88 lbs. approx. (0.4 kg)	
	Temperature		Operating temperature: 32°F to 104°F (0°C to +40°C) Storage temperature: -4°F to +176°F (-20°C to +80°C)	
	Humidity		Operating / Storage humidity: 20% to 90% (Non Condensing)	