

FPH122 - Full HD with RS-232 Fiber HDMI Video Extender with HDMI + RS-232 control

FPH122 is a single core optical HDMI video extender that extends the high definition HDMI video and audio signals to 300 meters away. Besides, FPH122 also extends the RS-232 and Infrared signals for remote control. The RS-232 serial connection not only provides serial extension but also supports most of the serial touch panels.

The Infrared Blasting function enables the user control the video source by using original remote controller. Cooperating with video switches or video distributors, the FPH122 fits best for public display, digital signage and kiosk applications



Feature

- Uses only one single core multi-mode fiber to connect the local video source and 300 meters distance.
- HDCP compliant.
- Supports maximum 1080p, 60 Hz HDMI video resolution
- Provides RS-232 connection to connect the serial devices remotely including the serial touch panels
- Transmits the remote controller IR signal using IR blasting function.
- Supports DDC2B function.
- Supports HDMI and DVI displays.

Diagram



Parameter		Specifications
Transmission Media		50/125 Multi-Mode Fiber
Extension Distance		Up to 300 Meters
Extension Signals		Digital Video Signal (HDMI) RS-232 Signal Infrared Signal
Maximum Video Resolution		1080p, 36 bits @60 Hz
Display Mount		FDMI display mount for remote unit (optional)
Firmware Upgrade		Yes
Local Unit	Video In	1 x HDMI
	RS-232	1 x DB-9 female (Black)
	Fiber	1 x LC female (Gray)
	IR	1 x 3.5mm female Jack (Black)
	Power	1 x DC Jack (Black)
	F/W Upgrade	1 x 3.5mm Jack (Black)
Remote Unit	Video Out	1 x HDMI
	RS-232	1 x DB-9 male (Black)
	Fiber	1 x LC female (Gray)
	IR	1 x 3.5mm female Jack (Black)
	Power	1 x DC Jack (Black)
	F/W Upgrade	1 x 3.5 mm Jack (Black)
Power		DC5V
Environment Specification	Operation Temperature	0°C ~ +40°C
	Storage Temperature	-20°C ~ +60°C
	Relative Humidity	20% ~ 85%, No condensation
Weight	Local Unit	350g
	Remote Unit	350g
Dimension	Local Unit	130mm x 107mm x 28mm (L x W x H)
	Remote Unit	130mm x 107mm x 28mm (L x W x H)

Many times in facility-wide installations or infra-structure digital video signals are extended from central equipment location like rack or server room to displays or consoles located more than 500-ft (150-m) to 16,000 (5 km). Use of copper via HDMI or DVI direct cables or via UTP cable gives limited distance so use of fiber cables is preferred. The typical installation is for medical facilities like hospital, corporate IT infrastructure, digital signage, kiosks, public displays, institutional, government or campus-wide installations.

Teq AV/IT had initially only HDMI or DVI video signal extenders over fiber but now it has extenders over fiber cable with audio, Infra-red (IR) and RS-232 control signals along with HD/High-resolution HDCP compliant HDMI and DVI signals, with largest selection among all proAV or IT extender manufacturer in the world. Teq AV/IT has taken a lead as world's best HDMI and DVI extender manufacturer over world with its new innovative and broad fiber extender product line.

With lower cost of fiber cables and connectors or already existence of these cables for data network infra-structure, it has become more affordable to implement HDMI/DVI extender over fiber cables. Extending digital video signals DVI and HDMI over fiber offers two distinctive advantages over its copper or UTP cable predecessors: Loss-less digital HD quality of video signal and longer (minimum double to 30-fold longer extending distance). For extending Digital signage players, kiosks, public displays, presentation projectors or KVM consoles or computer, there is no better extending medium than fiber.



Address: 30162 Tomas, # 201, Rancho Santa Margarita, CA 92688
 Phone: (949) 709-4040
 Email: info@teqavit.com