

## HDMI TO FIBER 1080P with Bidirectional Audio

### Description

This equipment has excellent image processing and transmission capabilities. HDMI digital optical transceivers have been widely used in various large-scale multimedia high-definition displays, information release and news centers, outdoor large-screen display systems, large-scale stage displays and entertainment centers, live television, multimedia conferences, military Command and drills and other fields.

### Features

- Long-distance transmission of HDMI video and audio signals through optical fiber, up to 1-20 kilometers;
- High-definition video signal resolution can reach up to 1080P@60Hz;
- Comply with HD-MI1.3 standard protocol;
- Supports external one-way analog stereo audio signal transmission;
- Support USB keyboard and mouse transmission;
- Able to automatically identify and configure various display modes;
- Built-in automatic equalization system, the picture is smooth, clear and stable;
- Built-in ESD electrostatic protection circuit to protect system safety in all aspects;
- Simple and convenient installation, plug and play, no setting required;

### Parameters

Product		Description
Function	Signal	HDMI
	Channel	1ch
Fiber	Wavelength	MM 850nm;SM 1310nm,1550nm
	Output power	-9.5~-3dBm@850nm
	Sensitivity	-15dB@850nm
	Data rate	3G Hz
	Distance	1m~2000meters MM fiber 1m~10km SM fiber
Power supply	Supply power	Adapter
	Voltage	5VDC
	Power consumption	<10W

<b>HDMI</b>	Support	HD-MI 1.3
	HD-MI definition	1080p@60/1080i/720p
	Video	24bit/dark color,30bit/dark color, 36bit/dark color
	Audio	DTS-HD/Dolby-true HD/LPCM7.1/DTS/Dolby-AC3/DSD
	Audio signal transmission format	Left and right stereo audio
	TMDS Signal	0.5~1.5Vp-p(TMDS)
	DDC Signal	5Vp-p(TTL)
	Input cable length	≤5m(AWG26 HD-MI1.3)
	Output cable length	≤5m(AWG26 HD-MI1.3)
	Fiber port	Single mode single fiber SC
<b>Environment</b>	Working temperature	0~55°C
	Storage temperature	-20~70°C
	Humidity (no condensation)	0~95%
<b>Reliability</b>	MTBF	>30000hours

## Connection

