

**Compressed HDMI Video Optical Converter,one HDMI
port + one fiber port, single fiber single mode,SC,
20KM,external power supply**

B1-HDMI1080-1SM20



Description

B1-HDMI1080-1SM20 HDMI digital optical transceiver is composed of an HDMI transmitter and a receiver. It transmits high-definition HDMI and signals through a single core single-mode optical fiber, and can adapt to a variety of complex application environments.

The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

Features

- Transmits HDMI video/audio signals up to 20km over fiber optic cable;
- Support video resolution up to 1080p@60Hz;

- Compliance with HMDI standard;
- High compatibility, can auto-match source and display device;
- Built-in automatic adjustment system, make the image smooth, clear and stable;
- Built-in ESD protection system;
- Simple to install, plug and play;

Specifications

	Parameter	Description
Function	Type of transmission signal	HDMI Video
	Transmission channel	1Channel
Fiber	Wavelength	850nm(MM) 1310nm/1550nm(SM)
	Tx Power	-9.5~—3dBm
	Rx sensitivity	-15dBm
	Transmission code rate	1.25 Hz
	Distance	2km(MM) 20KM(SM)
Power Supply	Power adapter	External : 5V DC
	Power Consumption	<10W
HDMI performance and interface	Support HDMI Version	HDMI 1.2
	HDMI Resolution Ratio	720x576p50, 720x480p60, 640x480p60/75, 800x600p60/75, 1024x768p60/75, 1280x800p60, 1280x1024p60, 1440x900p60, 1680x1050p60, 1280x720p25/30/50/60, 1920x1080p25/30/50/60
	Support video color format	24 bit/dark color 30 bit/dark color 36 bit
	Input/output TMDS signal	0.5~1.5Vp-p(TMDS)
	Input/output DDC signal	5Vp-p(TTL)
	Input cable length	≤ 5m (AWG26 HDMI1.3 cable standard)
	Output cable length	≤ 5m (AWG26 HDMI1.3 cable standard)
	Fiber Connector	single fiber single mode FC/SC connector

Working Environment	Operating Temperature	0~55℃
	Storage Temperature	-20~70℃
	Relative Humidity	0~95%
	reliability	MTBF: >30,000 hours

