

### FEATURES

- SingleMode Fibre Optic Transmission
- Transmits 1080p Signal up to 40km
- Supports IR Pass-Back for Easy Control
- Avoid Electromagnetic Interference in Environments for Long Distance Transmission
- Low Signal Loss
- Wide Frequency Band



### DESCRIPTION

This fibre optic extender uses singlemode optical fibre (SMF) to transmit high-definition signals to a distance to 40km. It also supports a local loop-out and IR pass-back and has stable signal transmission and low latency. It supports 1920 x 1080 @ 60Hz high-definition resolution.

### SPECIFICATION

Technical	Transmitter	Receiver
HDMI compliance	HDMI1.3	
HDCP compliance	HDCP1.4	
Optical fiber interface	LC	
Optical fiber type	9/125um Single Mode Fiber (SMF), transmission rate 1.25Gbps	
Center wavelength	1310/1550 nm	
Transmission distance	SMF: 40Km	
Latency	80ms	
Video bandwidth	18Mbps(10.2Gbps)	
Video support	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz	
Audio support	PCM	
InputTMDS signal	0.7~1.2Vp-p	
InputDDC signal	5Vp-p	
Receiver optical power	±3dB	
Transmitter optical power	±3dB	
Return loss	12dB	
Receiver sensitivity	≤ -23dBm	
Symbol error rate	10 <sup>-12</sup>	
RS232 support	No	
IR passback	Support	
IR frequency Range (KHz)	20-60KHz	
Input	1xHDMI, DC2.1	DC2.1, LC x1, 3.5mm Audio F x1 (IR)
Output	x1, 3.5mm Audio F x1 (IR), HDMI	1xHDMI
Source control	Controllable via IR passback from RX to TX	
HDMI connector	Type A 19 Pins, Female	
Mechanical	Transmitter	Receiver
Housing	Aluminum Metal enclosure	
Dimensions(LxWxH mm)	138.0(L)x81.5(W)x24.0(H) mm	
Net weight	TX: 180g	RX: 180g
Power supply	5V/2A	
Power consumption	3W	3W
Operation temperature	-20~60°C	
Storage temperature	-30~70°C	
Relative humidity	0~90%(no condensation)	

### ORDERING INFORMATION

Part Code	Description
32-3883	HDMI Extender Over Fibre Optic - 40km