

DH-PFM707-4K

HDMI Extender



Series Overview

HDMI extender is used to extend the transmission distance of HDMI signals, resolving the issue of unstable transmission caused by the length limits of HDMI cables (signal degradation typically occurs when cables exceed 15.0 m (49.21 ft)). It enables the long-distance transmission of high-definition signals via various media such as network cables, fiber optics, and wireless connections. Suitable for scenarios such as home theaters, conference rooms, and monitoring displays.

Scene

This extender can be widely used in multi-media conference halls, TV teaching and large-screen displays.

Technical Specification

Function

Transmission Channel	1 channel
Transmission Distance	Single mode fiber: 10 km (32,808.40 ft) Multi-mode fiber: 300 m (984.25 ft)
Resolution	4K/2K@24/30 Hz; 4K/2K@60 Hz
Video Format	HDMI
Anti-interference	Class A
Transmission Media	Single mode fiber

Port

Power	TX: 1 × DC power port RX: 1 × DC power port
IR Port	TX: 1 × IR IN; 1 × IR OUT RX: 1 × IR IN; 1 × IR OUT
USB	TX: 1 × Mini-USB; 1 × Update port RX: 1 × Mini-USB; 1 × Update port

- HDCP 2.2 and DVI 1.0 compliant
- Supports 18 Gbps video bandwidth
- Video resolution up to 4K/2K@50/60 Hz 4:4:4, as specified in HDMI 2.0b
- HDMI audio formats: LPCM 2/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Supports 3D and HDR format video, does not support CEC control
- Transmission distance up to 32808.40 ft/10.0 km (over a single-mode fiber cable)
- You can use multi-mode fiber with these SFP modules but the distance can not be guaranteed
- Supports bidirectional IR control, RS-232 pass-through and EDID management for simple and convenient control
- Transmitter supports loop output (sharing local HD video and audio) and audio embedding function
- Receiver supports audio extracting output function
- Compact design for easy and flexible installation

HDMI	TX: 2 × HDMI RX: 1 × HDMI
Network Port	TX: 1 × RJ-45 RX: 1 × RJ-45
RS-232	TX: 1 × RS-232 (3.81 mm (0.15") Phoenix connector) RX: 1 × RS-232 (3.81 mm (0.15") Phoenix connector)
Input Port	European Standard 2-pin plug

Power

Power Supply	5 VDC, 1 A Supports bi-directional PoC function
Power Consumption	3.5 W

Protection

Electrostatic Discharge	IEC 61000-4-2: ± 8 kV (air discharge), ± 4 kV (contact discharge)
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Structure

Appearance Color	Black
Casing Material	Metal
Packing List	1 × HDMI extender (transmitter); 1 × HDMI extender (receiver); 1 × IR blaster cable (1.5 m); 1 × IR receiver cable (1.5 m); 2 × 5 VDC/1 A locking power adapter; 2 × 3-pin 3.81 mm Phoenix connector; 1 × User manual; 1 × Legal and regulation information;

Product Dimensions	134 mm × 68 mm × 18 mm (5.28" × 2.68" × 0.71") (L × W × H)
Packaging Dimensions	300 mm × 200 mm × 60 mm (11.81" × 7.87" × 2.36") (L × W × H)
Packaging Method	1 piece per pack, 10 packs per carton
Net Weight	0.558 kg (1.23 lb)
Gross Weight	1.01 kg (2.23 lb)

Environment

Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Operating Humidity	20%–80% (RH), non-condensing
Storage Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Storage Humidity	5%–95% (RH), non-condensing

Certification

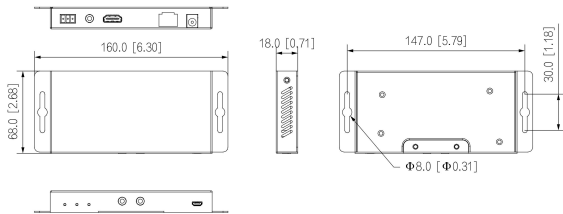
Certifications	CE: EN 55032:2015+A1:2020 EN 55035:2017 EN 61000-3-2:2019 EN 61000-3-3:2013+A1:2018
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Ordering Information

Type	Model	Description
HDMI Extender	DH-PFM707-4K	HDMI Extender

Dimensions (mm[inch])

mm [inch]



Package Information

- 1 × HDMI extender (transmitter)
- 1 × HDMI extender (receiver)
- 1 × IR blaster cable (1.5 m)
- 1 × IR receiver cable (1.5 m)
- 2 × 5 VDC/1 A locking power adapter
- 2 × 3-pin 3.81 mm Phoenix connector
- 1 × User manual
- 1 × Legal and regulation information