

DH-PFM705K-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	4K@30 Hz; 2K@60 Hz 4:4:4: 70.0 m (229.66 ft) 1080p: 70.0 m (229.66 ft)
Resolution	4K@30 Hz; 2K@60 Hz; 1080p
Video Format	HDMI
Anti-interference	Class A
Transmission Media	CAT6 shielded network cable

Port

Power	TX: 1 × DC power port RX: 1 × DC power port
Audio Port	RX: L/R OUT
USB	TX: 1 × Mini-USB, 1 × USB-B RX: 1 × Mini-USB, 2 × USB-A

- HDCP 2.2 compliant
- Supports 18 Gbps video bandwidth
- Supports video resolution up to 4K/2K@30 Hz RGB/YCBCR 4:4:4, as specified in HDMI 2.0b
- The transmission distance can be extended up to 229.66 ft/70.0 m via a single CAT6/6A shielded network cable
- Supports HDR, HDR10, HDR10+, Dolby Vision, HLG
- Audio formats: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus (DD+)
- Supports 3.5 mm analog audio de-embedding, audio is output through the L/R OUT port of the receiver
- EDID copy pass-through function between the source device and display device
- Supports bi-directional PoC (Power over Cable) function
- With USB KVM pass-through function, USB1.1 compliant, supports remote-control by keyboard and mouse
- Compact design for easy and flexible installation

HDMI	TX: 2 × HDMI RX: 1 × HDMI
Network Port	TX: 1 × RJ-45 RX: 1 × RJ-45
Input Port	European Standard 2-pin plug

Power

Power Supply	12 VDC, 1 A. Locking power adapter
Power Consumption	4.2 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 × USB cable (1.5 m); 4 × Rack-mounting ear; 8 × Screw (4 × KM3); 1 × 12 VDC/1 A locking power adapter; 1 × User manual; 1 × Legal and regulation information;
Product Dimensions	90 mm × 68 mm × 22 mm (3.54" × 2.68" × 0.87") (L × W × H)
Packaging Dimensions	215 mm × 135 mm × 75 mm (8.46" × 5.31" × 2.95") (L × W × H)

HDMI Extender | DH-PFM705K-4K

Packaging Method	1 piece per pack, 20 packs per carton
Net Weight	0.339 kg (0.75 lb)
Gross Weight	0.66 kg (1.46 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

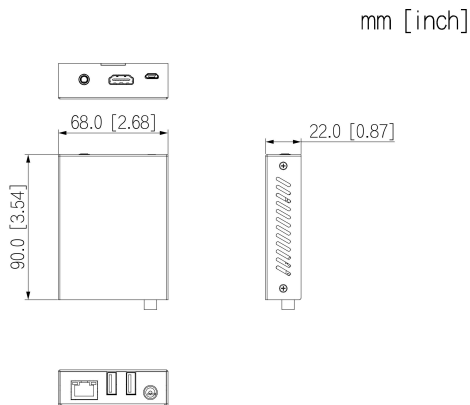
Certification

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-PFM705K-4K	HDMI Extender

Dimensions (mm[inch])



Package Information

- 1 × HDMI extender (transmitter)
- 1 × HDMI extender (receiver)
- 1 × USB cable (1.5 m)
- 4 × Rack-mounting ear
- 8 × Screw (4 × KM3)
- 1 × 12 VDC/1 A locking power adapter
- 1 × User manual
- 1 × Legal and regulation information