

DH-PFM702

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/2K@60 Hz: 40.0 m (131.23 ft) 1080p@60 Hz: 50.0 m (164.04 ft)
Resolution	4K/2K@30 Hz; 1080p
Video Format	HDMI
Anti-interference	Class A
Transmission Media	CAT6 shielded network cable

Port

Power	TX: 1 × DC power port
IR Port	TX: 1 × IR OUT RX: 1 × IR IN
HDMI	TX: 2 × HDMI RX: 1 × HDMI

- HDCP 1.4 and DVI 1.0 compliant
- Supports video resolution up to 4K/2K@30 Hz YUV 4:4:4, as specified in HDMI 1.4
- The maximum transmission distance via a single CAT6 shielded network cable is as follows: 164.04 ft/50.0 m for 1080p, 131.23 ft/40.0 m for 4K@30 Hz
- Supports copying EDID from receiver display or loop out display
- Allows for cascading via additional HDMI loop out port
- Supports one-way PoC functionality (from transmitter to receiver)
- One-way IR signal transmission
- Compact design for easy and flexible installation

Network Port	TX: 1 × RJ-45 RX: 1 × RJ-45
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Power

Power Supply	12 VDC, 1 A. Locking power adapter
Power Consumption	Transmitter: 1.86 W Receiver: 0.87 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
Product Dimensions	79.5 mm × 69 mm × 16.5 mm (3.13" × 2.72" × 0.65") (L × W × H)
Packaging Dimensions	200 mm × 115 mm × 75 mm (7.87" × 4.53" × 2.95") (L × W × H)
Packaging Method	1 piece per pack, 30 packs per carton
Net Weight	0.262 kg (0.58 lb)
Gross Weight	0.53 kg (1.17 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-PFM702	HDMI Extender

Dimensions (mm[inch])

