

# DH-PFM704-4K

## 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/2K@60 Hz: 120.0 m (393.70 ft)<br>1080p: 150.0 m (492.13 ft) |
| Resolution            | 4K/2K@60 Hz; 1080p                                             |
| Video Format          | HDMI                                                           |
| Anti-interference     | Class A                                                        |
| Transmission Media    | CAT5E/6 shielded network cable                                 |

#### Port

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

- HDCP 2.2, HDCP 1.4 and DVI 1.0 compliant
- Supports 18 Gbps video bandwidth
- Supports video resolution up to 4K/2K@60 Hz RGB/YCBCR 4:4:4, as specified in HDMI 2.0b
- The maximum extended transmission distance via a single CAT5E/6 shielded network cable: 393.70 ft/120.0 m for 4K/2K signal; 492.13 ft/150.0 m for 1080p signal
- Supports one HDMI loop output on the transmitter
- De-embedded audio to analog stereo output on receiver
- With bi-directional IR, RS-232 and CEC pass-through
- HDR, HDR10+, Dolby Vision and HLG function supported
- Supports PoC (Power over Cable) function
- Compact design for easy and flexible installation

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

#### Power

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Power Supply      | 24 VDC, 1 A<br>Supports bi-directional PoC function |
| Power Consumption | 9.36 W                                              |

#### Protection

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

#### Structure

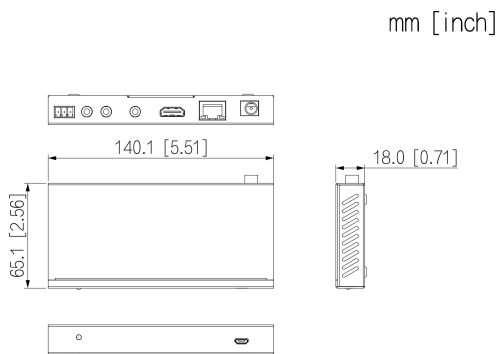
|                      |                                                                                                                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance Color     | Black                                                                                                                                                                                                                                                                                                |
| Casing Material      | Metal                                                                                                                                                                                                                                                                                                |
| Packing List         | 1 × HDMI extender (transmitter);<br>1 × HDMI extender (receiver);<br>1 × IR blaster cable (1.5 m);<br>1 × IR receiver cable (1.5 m);<br>4 × Rack-mounting ear;<br>2 × 3-pin Phoenix connector;<br>1 × 24 VDC/1 A locking power adapter;<br>1 × User manual;<br>1 × Legal and regulation information; |
| Product Dimensions   | 140 mm × 65 mm × 18 mm (5.51" × 2.56" × 0.71") (L × W × H)                                                                                                                                                                                                                                           |
| Packaging Dimensions | 245 mm × 185 mm × 75 mm (9.65" × 7.28" × 2.95") (L × W × H)                                                                                                                                                                                                                                          |
| Packaging Method     | 1 piece per pack, 10 packs per carton                                                                                                                                                                                                                                                                |
| Net Weight           | 0.315 kg (0.69 lb)                                                                                                                                                                                                                                                                                   |

|                       |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| Gross Weight          | 0.91 kg (2.01 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:<br>EN 55032:2015+A1:2020<br>EN 55035:2017<br>EN 61000-3-2:2019<br>EN 61000-3-3:2013+A1:2018 |

Ordering Information

| Type          | Model        | Description   |
|---------------|--------------|---------------|
| HDMI Extender | DH-PFM704-4K | HDMI Extender |

Dimensions (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)
- 4 × Rack-mounting ear
- 2 × 3-pin Phoenix connector
- 1 × 24 VDC/1 A locking power adapter
- 1 × User manual
- 1 × Legal and regulation information