

# DH-PFM706K-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    | CAT6 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 × Micro-USB; 1 × USB-B<br>RX: 1 × Micro-USB; 2 × USB-A |

- HDMI2.0b, HDCP 2.2 and USB 1.1 compliant
- Supports 18 Gbps video bandwidth
- Supports video resolution up to 4K/2K@60 Hz YUV 4:4:4
- The transmission distance can be extended up to 492.13 ft/150.0 m at the resolution of 1080p@60 Hz, or 393.70 ft/120.0 m at 4K/2K@60 Hz 4:4:4 via a single CAT6 shielded network cable
- Supports bi-directional IR signal and USB KVM signal pass-through
- Supports bi-directional PoC (Power over Cable) function
- Compact design for easy and flexible installation

|              |                                |
|--------------|--------------------------------|
| HDMI         | TX: 1 × 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. Locking power adapter |
| Power Consumption | 10 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>1 × USB cable (1.5 m);<br>4 × Rack-mounting ear;<br>8 × Screw (4 × KM3);<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           | 0.492 kg (1.08 lb)                                                                                                                                                                                                                                                                                                     |
| Gross Weight         | 0.94 kg (2.07 lb)                                                                                                                                                                                                                                                                                                      |

#### Environment

|                       |                                    |
|-----------------------|------------------------------------|
| Operating Temperature | 0 °C to +40 °C (+32 °F to +104 °F) |
| Operating Humidity    | 20%–80% (RH), non-condensing       |

# HDMI Extender | DH-PFM706K-4K

|                     |                                     |
|---------------------|-------------------------------------|
| Storage Temperature | −20 °C to +60 °C (−4 °F to +140 °F) |
| Storage Humidity    | 5%–95% (RH), non-condensing         |

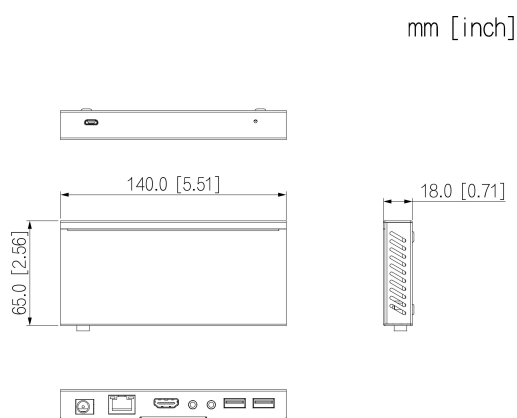
## Certification

|                |                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------|
| 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-PFM706K-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)
- 1 × USB cable (1.5 m)
- 4 × Rack-mounting ear
- 8 × Screw (4 × KM3)
- 1 × 24 VDC/1 A locking power adapter
- 1 × User manual
- 1 × Legal and regulation information