

DH-PFM800B-2CH

Three-in-one HDCVI Function Box



Series Overview

Dahua HDCVI function box features a stable DC power supply, video Balun transmission, and efficient cable organization. It can provide stable power to two analog cameras, ensuring long-distance HD video transmission with strong interference resistance and minimal signal loss. Additionally, its neat wiring design simplifies installation and reduces the risk of circuit failures.

Scene

Ideal for mounting cameras, and works in temperatures ranging from -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$) and in environments with a relative humidity of less than 90%.

Technical Specification

Function

Transmission Channel	2 channels
Transmission Distance	720p: Max 400 m (1,312.34 ft) 1080p: Max 250 m (820.21 ft)
Resolution	720p/1080p
Video Format	HDCVI/AHD/TVI/CVBS
Anti-interference	>60 dB
Transmission Signal	2-ch HDCVI
Transmission Media	UTP CAT5E and CAT6
Impedance	Coaxial cable: 75 Ω Twisted pair: 100 Ω
Input Voltage	100–240 VAC

- Integrates 2-ch power supply, 2-ch CVI transmission, and junction together.
- Supports long-distance HD video transmission over UTP CAT5 and CAT6 with strong interference resistance and minimal signal loss.
- Built of PC material that has a V-0 flame-retardant grade and is cost-effective.
- Quick mount structure allows for fast installation and removal.
- 90–264 VAC wide input voltage range meets the requirements in different parts for electric network fluctuation.
- Integrated structure, simple and elegant.

Output Voltage	Output1: 12 VDC $\pm$ 5% Output2: 12 VDC $\pm$ 5%
Rated Output Current	Output1: 1 A (Full load at $+45^{\circ}\text{C}$ ($+113^{\circ}\text{F}$); 70% load at $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$)) Output2: 1 A (Full load at $+45^{\circ}\text{C}$ ($+113^{\circ}\text{F}$); 70% load at $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$))
Rated Power	Output power: 12 W (for one channel) Total power: 24 W
Power Consumption In Idle	≤ 0.3 W
Efficiency	Level VI

Port

Video Port	In: BNC Out: RJ-45
Input Port	2-pin wire terminal
Output Plug	2-ch BNC male plug 2-ch DC male plug

Protection

Surge Protection Grade	Common mode: ± 4 kV Differentiate mode: ± 2 kV
Statics Protection	Air discharge: ± 8 kV Contact discharge: ± 6 kV
Protection	Protects against overcurrent, overvoltage, short circuits and abnormal input

Structure

Appearance Color	White
Casing Material	PC
Installation	Wall mount
Product Dimensions	198.0 mm $\times$ 127.0 mm $\times$ 44.6 mm (7.80" $\times$ 5.00" $\times$ 1.76") (L $\times$ W $\times$ H)
Packaging Dimensions	250 mm $\times$ 173 mm $\times$ 79 mm (9.84" $\times$ 6.81" $\times$ 3.11") (L $\times$ W $\times$ H)
Packaging Method	1 piece per pack, 48 packs per carton
Net Weight	0.38 kg (0.84 lb)

Gross Weight	0.48 kg (1.06 lb)
Environment	
Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Operating Humidity	0%–90% (RH), non-condensing
Storage Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Storage Humidity	0%–90% (RH), non-condensing
Certification	
Certifications	CE

Ordering Information

Type	Model	Description
HDCVI Function Box	DH-PFM800B-2CH	Three-in-one HDCVI Function Box
Accessories (Optional)	DH-PFM800-E	1-Channel Passive HDCVI Balun

Accessories

Optional:



DH-PFM800-E
1-Channel Passive HDCVI
Balun

Dimensions (mm[inch])

