

PFM809-4MP

16-Channel Passive HDCVI Balun



Series Overview

The Passive Balun is a passive video transmission device specifically designed for video surveillance systems. It transmits real-time video signals over twisted pair cables or CAT5E/CAT6 network cables requiring no external power. The Passive Balun is easy to install and ideal for use in security monitoring scenes where streamlined cabling is required.

Technical Specification

Function

Transmission Channel	16 channels
Transmission Distance	HDCVI: 720p: max.400 m (1,312.34 ft) 1080p: max.250 m (820.21 ft) 4 MP: max.200 m (656.17 ft)
Resolution	720p/1080p/4 MP
Video Format	HDCVI/TVI/AHD/CVBS
Anti-interference	>60 dB
Transmission Signal	1-ch HDCVI/TVI/AHD/CVBS
Transmission Media	UTP CAT5E/6
Impedance	Coaxial cable: 75 Ω Twisted pair: 100 Ω

Port

Video Port	Female BNC
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Protection

Protection	3 level
Electrostatic Discharge	1a Contact discharge: 3 level 1b air discharge 3 level Applicable standard: IEC61000-4-2
Surge Protection Grade	1 kV (Differentiate mode), 2 kV (Common mode) Applicable standard: IEC61000-4-5

Structure

Appearance Color	Black
Casing Material	Iron

- No additional power supply is required.
- Transmits uncompressed HDCVI video signals in real-time, ensuring clear and stable video quality.
- The transmission distance is up to 400 meters.
- Transmits signals from up to 16 channels at the same time through its 4 wires.
- Excellent protection against lightning, static, and more.
- Features BNC coaxial interfaces, green screw terminals, and RJ-45 ports.

Product Dimensions	430 mm × 100 mm × 44.5 mm (16.93" × 3.94" × 1.75") (L × W × H)
Packaging Dimensions	525 mm × 145 mm × 33 mm (20.67" × 5.71" × 1.3") (L × W × H)
Packaging Method	1 in one box and 10 boxes in 1 outer carton
Net Weight	1.19 kg (2.62 lb)
Gross Weight	1.62 kg (3.57 lb)

Environment

Operating Temperature	−10 °C to +55 °C (−4 °F to +131 °F)
Operating Humidity	0–95%
Storage Temperature	−20 °C to +70 °C (−4 °F to +158 °F)
Storage Humidity	0–95%

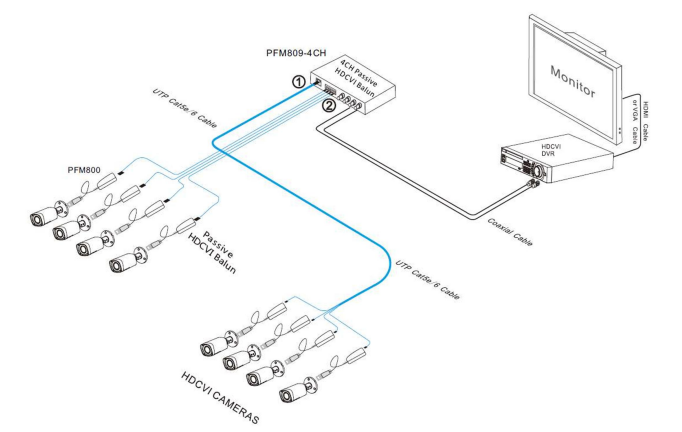
Certification

Certifications	CE: EN 55032: 2015+A1:2020 EN 55035: 2017 EN 61000-3-2: 2019 EN 61000-3-3: 2013+A1: 2018 FCC: 47 CFR PART 15&ANSI C63.4
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Ordering Information

Type	Model	Description
HDCVI balun	PFM809-4MP	16-Channel Passive HDCVI Balun

Installation



Dimensions (mm[inch])

