

PFM801-4MP

1-Channel Passive HDCVI Balun with Power (10pcs/box)



System 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 Parameters

Function

Transmission Channel	1 channel
Transmission Distance	HDCVI: 720p: max. 400 m (1,312.34 ft) 1080p: max. 200 m (656.17 ft) HDTVI: 720p/1080p: 200 m (656.17 ft) (max) AHD: 720p, 300 m (984.25 ft); 1080p, 200 m (656.17 ft)
Resolution	720p/1080p
Video Format	HDCVI/TVI/AHD
Anti-interference	>60 dB
Transmission Signal	1-ch analog HD video
Transmission Media	UTP CAT5E and CAT6
Impedance	Coaxial cable: 75 Ω Twisted pair: 100 Ω

Port

Power	12 V power adapter
Video Port	Male BNC
Network Port	RJ-45

- Supports input voltage of 24–36 VDC, and output voltage of 12 VDC with a max output power of 8 W for remote cameras to simplify wiring for installation.
- Transmits live video signals without delay.
- The transmission distance is up to 400 meters.
- Transmits 1-ch HD live video signals and 1-ch DC power over UTP CAT5E and CAT6 cables.
- Excellent protection against lightning, static, and more.
- Features an ABS engineering plastic shell and RJ-45 ports.

Power

Power Supply	Input Voltage: 24 VDC, Distance: 0 m–100 m (0 ft–328.08 ft), Output Power: 12 VDC, 8 W; Distance: 0 m–100 m (0 ft–328.08 ft), Output Power: 12 VDC, 6 W; Distance: 200 m–300 m (656.17 ft–984.25 ft), Output Power: 12 VDC, 3 W; Input Voltage: 36 VDC, Distance: 0 m–300 m (0 ft–984.25 ft), Output Power: 12 VDC, 8 W
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Protection

Protection	Level 3
Electrostatic Discharge	1a Contact Discharge: Level 3 1b Air Discharge: Level 3 Compliance Standard: IEC 61000-4-2
Surge Protection Grade	2 kV (Common mode) Compliance Standard: IEC 61000-4-2

Structure

Appearance Color	Black
Casing Material	ABS project material
Product Dimensions	230.0 mm × 42.5 mm × 24.5 mm (9.06" × 1.67" × 0.96") (L × W × H)
Packaging Dimensions	430 mm × 125 mm × 155 mm (16.93" × 4.92" × 6.10") (L × W × H)
Packaging Method	10 pcs in 1 carton, and 10 cartons in 1 package
Net Weight	1400 g (3.09 lb)
Gross Weight	1.66 kg (3.66 lb)

Environment

Operating Temperature	–10 °C to +55 °C (14 °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 EN 55035: 2017 EN 61000-3-2: 2014 EN 61000-3-3: 2013
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Ordering Information		
Type	Model	Descriptions
HDCVI Balun	PFM801-4MP	1-Channel Passive HDCVI Balun with Power (10pcs/box)

Dimensions (mm[inch])

