

PFM801-4MP

1-Channel Passive HDCVI Balun with Power



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	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/6
Impedance	Coaxial cable: 75 Ω Twisted pair: 100 Ω

Port

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

Power

- Input voltage of 24–36 VDC, it can provide 12 VDC, 8 W (max) power supply to remote cameras,
- simplify engineering wiring.
- Transmits live video signals without delay.
- The transmission distance is up to 400 meters.
- Uses single UTP (CAT5E/CAT6) real-time transmit 1-ch HD video signal and 1-ch DC
- power.
- Excellent protection against lightning, static, and more.
- Features ABS engineering plastics shell and RJ-45 ports.

Power Supply	Input Voltage: 24 VDC, Distance: 0-100 m, Output Power: 12 VDC, 8 W; Distance: 0-100 m, Output Power: 12 VDC, 6 W; Distance: 200-300 m, Output Power: 12 VDC, 3 W; Input Voltage: 36 VDC, Distance: 0-300 m, Output Power: 12 VDC, 8 W
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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	2 kV (Common mode) Applicable standard: IEC61000-4-5

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" × 6.1") (L × W × H)
Packaging Method	10 pcs in 1 carton, and 10 cartons in 1 package
Net Weight	66.4 g (0.15 lb)/57.4 g (0.13 lb)
Gross Weight	1.625 kg (3.58 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
	FCC :
	47 CFR PART 15&ANSI C63.4

Ordering Information

Type	Model	Description
Video Balun	PFM801-4MP	1-Channel Passive HDCVI Balun with Power

Dimensions (mm[inch])

