

PFM802

Passive Video Balun with Power (10pcs/box)



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-ch HDCVI/TVI/AHD/CVBS
Transmission Distance	HDCVI: 720p: max 400 m (1312.34 ft) 1080p: max 250 m (820.21 ft) 4 MP/4K: max 150 m (492.13 ft) TVI: 720p/1080p: max 200 m (656.17 ft) 3 MP: max 150 m (492.13 ft) AHD: 720p: max 320 m (1049.87 ft) 1080p: max 250 m (820.21 ft) 4 MP/5 MP: max 150 m (492.13 ft)
Resolution	720p/1080p/3 MP/4 MP/5 MP/4K
Video Format	HDCVI/TVI/AHD/CVBS
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

- Power supply: Input voltage 12–15 VDC, can provide power supply for remote cameras, simultaneously simplify engineering wiring.
- Transmission effect: Use single network cable (UTP CAT5E/6) real-time transmit, no delay.
- Protection: Excellent anti-thunder, anti-static and anti-interference capabilities.
- Compatible format: HDCVI/TVI/AHD/CVBS.
- Appearance structure: ABS engineering plastics shell, small size, use RJ-45 standard interface connection mode.

Port

Video Port	Male BNC
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Power

Power Supply	12–15 VDC Take 12 VDC, 0.7 A power adapter and CAT5E cable as an example: Transmission distance: 0 m–20 m (0 ft–65.62 ft), output power: 7.5 W Transmission distance: 20 m–40 m (65.62 ft–131.23 ft), output power: 6.2 W Transmission distance: 40 m–60 m (131.23 ft–196.85 ft), output power: 4.5 W Transmission distance: 60 m–80 m (196.85 ft–262.47 ft), output power: 3.7 W Transmission distance: 80 m–100 m (262.47 ft–328.08 ft), output power: 2.9 W
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Protection

Electrostatic Discharge	1a contact discharge: Level 3 1b air discharge: Level 3 Applicable standard: IEC61000–4–2
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Structure

Appearance Color	Black
Casing Material	ABS project material
Product Dimensions	190.1 mm × 33.5 mm × 20.5 mm (7.48" × 1.32" × 0.81") (L × W × H)
Packaging Dimensions	211 mm × 211 mm × 150 mm (8.31" × 8.31" × 5.91") (L × W × H)
Packaging Method	10 pieces in 1 box, and 30 boxes in 1 outer carton
Net Weight	95 g/pair (0.21 lb)
Gross Weight	1.15 kg/box (2.54 lb)

Environment

Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
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Operating Humidity	5–95% (RH), non–condensing
Storage Temperature	–20 °C to +70 °C (–4 °F to +158 °F)
Storage Humidity	0–95% (RH), non–condensing

Certification

Certifications	CE: EN60950-1: 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013 EN55032: 2015 EN61000-3-2: 2014 EN61000-3-3: 2013 EN55024: 2010+A1: 2015
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Ordering Information

Type	Model	Description
Video Balun	PFM802	Passive Video Balun with Power (10pcs/box)

Dimensions (mm[inch])

