

Code: PFM809-4MP

## VIDEO BALUN **PFM809-4MP** DAHUA

Net: **118.91 EUR** Gross: **146.26 EUR**

The PFM809-4MP is designed to video signal transmission via twisted-pair cable. The device adapts the impedance of coaxial cable 75  $\Omega$  to the impedance of symmetrical line, ensuring transmission of video signal up to 250m @ 720p / 150m @ 1080p (twisted-pair cable category 5e) and eliminates asymmetric interferences.

It is important to pay attention to linking the adequate terminals: (+) and (-). Reverse connection would cause distortion of image.



### SPECIFICATION

Standard:	<ul style="list-style-type: none"><li>• AHD - 5 Mpx,</li><li>• HD-CVI - 8 Mpx 4K UHD,</li><li>• HD-TVI - 8 Mpx 4K UHD,</li><li>• CVBS - PAL, NTSC</li></ul>
Device type:	Passive
Number of channels:	16 pcs Video
Video transmission range:	<ul style="list-style-type: none"><li>• 250 m @ 720p - UTP cat. 5e</li><li>• 150 m @ 1080p - UTP cat. 5e</li><li>• 400 m @ CVBS - PAL, NTSC - UTP cat. 5e</li></ul>
Coaxial socket voltage range 75 $\Omega$ (CVBS):	1 Vpp
Attenuation:	<ul style="list-style-type: none"><li>• 4.43 MHz @ 4.37 dB</li><li>• 11 MHz @ 4.49 dB</li><li>• 21 MHz @ 4.84 dB</li><li>• 38 MHz @ 5.43 dB</li><li>• 42 MHz @ 5.51 dB</li><li>• 67.5 MHz @ 5.92 dB</li></ul>
Coaxial socket impedance:	75 $\Omega$
Symmetrical socket impedance:	100 $\Omega$
Coaxial socket type:	16 x BNC Straight socket
Symmetrical socket type:	16 x screw terminals / 4 x RJ-45 (8-pin, 4 pairs) Socket
Operation temp:	-10 $^{\circ}$ C ... 55 $^{\circ}$ C
Permissible relative humidity:	< 95 %
Weight:	1.21 kg
Dimensions:	430 x 46 x 101 mm
Manufacturer / Brand:	DAHUA
Guarantee:	<b>3 years</b>

### PRESENTATION

Connectors view:

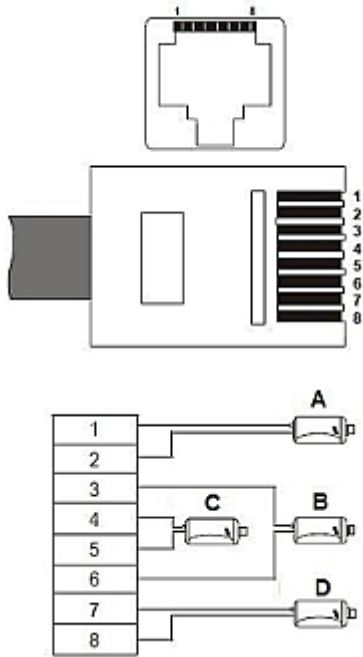
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Front view:

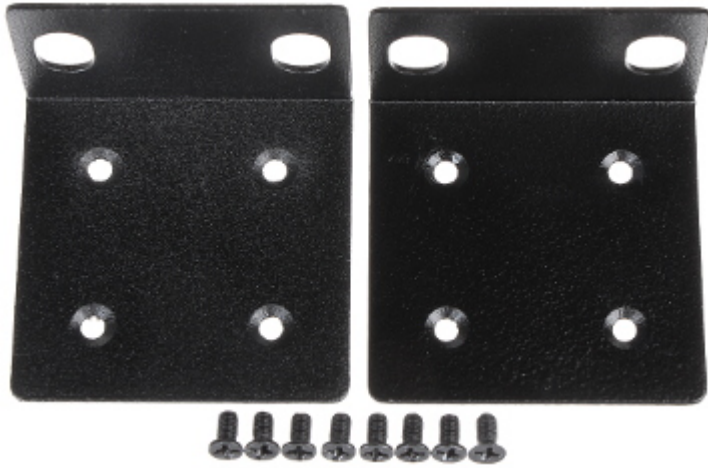


Wiring sequence inside the RJ-45 plug. Plug wiring sequence is consistent with the T568B standard:



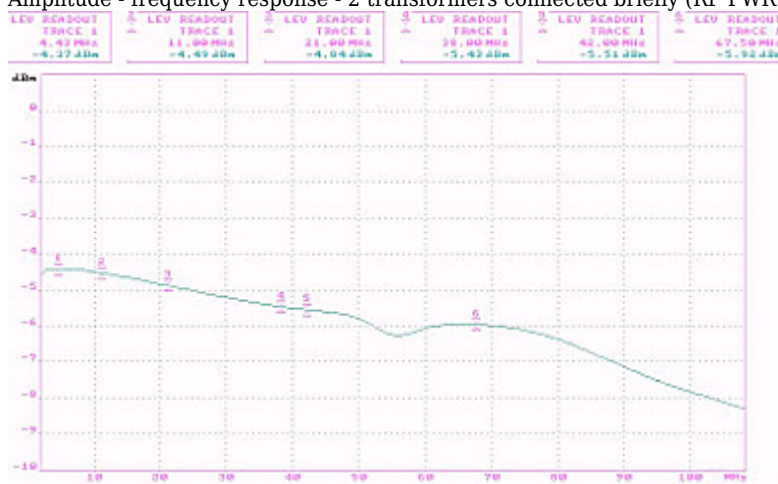
- 1) White/Orange - camera No.1 signal (+)
  - 2) Orange - camera No.1 signal (-)
  - 3) white/green - camera no.2 (+) signal
  - 4) blue - camera no. 3 (-) signal
  - 5) white/blue - camera no. 3 (+) signal
  - 6) green - camera no. 2 (-) signal
  - 7) white/brown - camera no. 4 (+) signal
  - 8) brown - camera no. 4 (-) signal
- A) Camera 1  
 B) Camera 2  
 C) Camera 3  
 D) Camera 4
- In the kit:





## OUR TESTS

Amplitude - frequency response - 2 transformers connected briefly (RF PWR OUT = 0 dBm):



## OUR OPINIONS



- Large insertion loss.

