

OV-400

AHD/CVI/TVI/CVBS

SINGLE CHANNEL HD PASSIVE VIDEO BALUN

Overview

- The OV-400 video balun is a passive (non-amplified) device that allows the transmission of real-time CCTV HD video signal via cost-effective Unshielded Twisted Paired (UTP) cable. The OV-400 is compatible with all HD-TVI, HD-CVI, AHD and CVBS analog cameras.
- The OV-400 has a mini-coax pigtail lead which allows quick mounting onto fixed cameras, allows in-camera mounting in most dome cameras and allows flexible connection with DVR. Reliable push-pin terminal block connection, the OV-400 eliminates costly and bulky coaxial cable.
- The superior interference rejection and low emissions of the OV-400 allow video signals to coexist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant. The OV-400 is built-in surge suppressor to protect video equipment against damaging voltage spikes. Its crosstalk and noise immunity ensure quality video signals.



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Technical Specifications

| | | | | | | | | |
|--|--|---|------|-------|-------|------|------|------|
| Model | | OV-400 | | | | | | |
| Product Name | | Single Channel HD Passive Video Balun | | | | | | |
| Applied Devices | | CCTV cameras, monitors, DVR, switchers, IP encoders, and other CCTV equipment | | | | | | |
| Video | Video Format | HD-TVI/CVI/AHD/CVBS | | | | | | |
| | Operating Frequency | DC to 42MHz | | | | | | |
| | Max Distance | HDCVI | 720P | 1080P | 4MP | 5MP | 6MP | 4K |
| | | Color video | 400m | 300m | 250m | 250m | 200m | 200m |
| | | HDTVI | 720P | 1080P | 3MP | 5MP | 8MP | |
| | | Color video | 200m | 200m | 180m | 150m | 150m | |
| | | AHD | 720P | 960P | 1080P | 3MP | 4MP | 5MP |
| | Color video | 400m | 400m | 300m | 300m | 250m | 250m | |
| Color video Mac up to 400m for CVBS camera | | | | | | | | |
| Common-mode/Differential-mode rejection | 15KHz to 42MHz 60 dB typ | | | | | | | |
| Impedance | Coax: Male BNC 75Ω unbalanced | | | | | | | |
| | UTP: push-pin terminal block 100Ω balanced | | | | | | | |
| Attenuation | 1.5 dB typ Max | | | | | | | |
| Wire Type | Network Wiring | Unshielded Twisted (for each video signal) 24-16 AWG (0.5-1.31mm) | | | | | | |
| | Category Type | UTP cat 5e/6 | | | | | | |
| | Impedance | 100 ± 20 ohms | | | | | | |
| | DC Loop Resistance | 52 ohms per 1,000ft (18 ohms per 100m) | | | | | | |
| | Differential Capacitance | 19 pF/ft max (62 pF/mmax) | | | | | | |
| Power | | No external power required | | | | | | |
| Connector | Video input/output | Male BNC connector | | | | | | |
| | Video input/output | Tool-less push-pin terminal block | | | | | | |
| Protection | Surge Protection | renewable solid state surge protection | | | | | | |
| | Video Input | 2KV(common mode), 10/700us IEC61000-4-5/1955(GB/T1726, 5-1999) | | | | | | |
| | Video Output | 2KV(different mode),10/700us IEC61000-4-5/1955(GB/T1726,5-1999) | | | | | | |
| Mechanical | Housing | ABS engineering plastic | | | | | | |
| | Body Color | Black | | | | | | |
| | Dimensions(L*W*H) | 39mm*16mm*16mm(BNC connector & cable excluded) | | | | | | |
| | Net Weight | 40g(Pair) | | | | | | |
| Environmental | Operating Temperature | -20° ~ 70° C | | | | | | |
| | Relative Humidity | 0~95% (non-condensing) | | | | | | |
| | Storage Temperature | -40° ~ 150° C | | | | | | |

OV-400 AHD/CVI/TVI/CVBS SINGLE CHANNEL HD PASSIVE VIDEO BALUN

Connectable design for neat installation

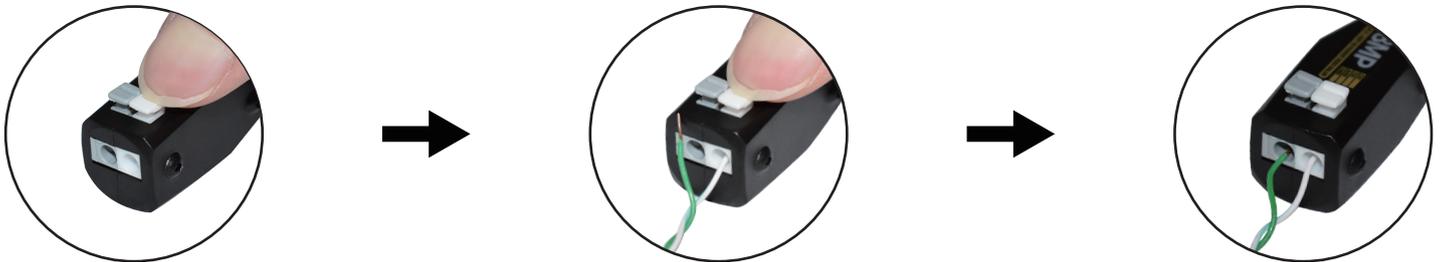


Old baluns make the cabinet a mess



Baluns click together for a neat installation

Installation Step:



Application Diagram

