

CAT5e/6 Passive Video Balun Pair

VBALUN-4KPOC



The Vista VBALUN-4KPOC video baluns are passive (non-amplified) devices allowing transmission of real-time CCTV analogue HD video formats including CVBS, TVI, CVI and AHD up to 4K resolutions over Unshielded Twisted Pair (UTP) cabling.

The baluns also support Power Over Coax (POC) cameras and DVRs to provide a cost-effective UTP cable solution and alternative to Coax.

Superior interference rejection and low emissions allows CCTV video signals to coexist in the same cable bundle as telephone and datacoms services for the use of shared or existing cable plant and investment.

Built-in surge suppression also protects equipment against damaging voltage spikes.

Transmission Distance (With POC)

Input power	Distance (m)	Output voltage	Output current	Load capacity
DC48V 500mA	10	47.45V	200mA	9.49W
	30	46.81V	200mA	9.36W
	50	45.57V	200mA	9.1W
	100	44.33V	200mA	8.87W
	150	41.81V	200mA	8.36W
Peak current > 450mA and peak power > 10W				

Transmission Distance (Without POC)

Camera Resolution	HD-TVI	HD-CVI	HD-AHD
720P	400m(1312ft)	450m(1476ft)	450m(1476ft)
960P	Not tested	Not tested	320m(1049ft)
1080P	250m(820ft)	250m(820ft)	250m(820ft)
3MP	250m(820ft)	Not tested	250m(820ft)
4MP	180m(590ft)	200m(656ft)	200m(656ft)
5MP	180m(590ft)	Not tested	180m(590ft)
4K	130m(426ft)	200m(656ft)	150m(492ft)
CVBS	400m(1312ft)		

To see Vista's complete range of IP and analogue video surveillance solutions along with accessories, please visit www.norbain.com/brands/vista.

KEY FEATURES

CVBS, TVI, CVI and AHD support up to 4K resolutions

Power Over Coax (POC) camera and DVR compatible – max 10Watt

Retains investment in UTP infrastructure without the need for dedicated coax cabling

Surge Protection to 2KV (common mode), IEC61000-4-5

Simple to install



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* To scan the QR code, make sure your phone/device has a suitable reader. Most modern Android and iOS smartphone cameras will automatically scan the code and provide the product's URL link, which will open from the device's web browser.



TECHNICAL SPECIFICATION

Model	VBALUN-4KPOC
VIDEO	
Video Format	HD-TVI/CVI/AHD/CVBS
Operating Frequency	DC to 71MHz
Common-mode/Differential-mode rejection	15KHz to 71MHz 60 dB typical
Impedance	Coax: Male BNC 75Ω unbalanced UTP, push-pin terminal block 100Ω balanced
Attenuation	1.5 dB typ Max
UTP	
Network Wiring	One Unshielded Twisted Pair (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/m max)
POC	
Power range	36V-48V
CONNECTOR INTERFACES	
BNC input/output	Male BNC connector
UTP input/output	Push-pin terminal block
GENERAL	
Housing	ABS engineering plastic
Body Color	Black
Dimensions/Weight	40.7mm x 18.7mm x 17mm (BNC connector & cable excluded)/0.02Kg (22g)
ENVIRONMENTAL	
Surge Protection	Renewable solid state surge protection to 2KV, IEC61000-4-5
Operating Temperature	-20° -55° C
Relative Humidity	0-95% (non-condensing)
Storage Temperature	-40° - 150° C
COMPLIANCE	
CE	EMC\RoHS & LVD

MODELS IN THIS RANGE

0958160 VBALUN-4KPOC
TP Passive HD Balun x2

ASSOCIATED PRODUCTS

- 0925550 VistaPC-i5-G13-4Mon-KBM
ClientPC
- 0338110 VFS118WHDA 18.5"
Monitor TVI/AHD/CVBS, HDMI VGA
- 0773530 VFS121WHDA 21"
Monitor TVI/AHD/CVBS, HDMI VGA
- 0950090 VM215e
21.5" Monitor with HDMI & VGA
- 0922950 VM32
32" Monitor with HDMI, VGA & BNC
- 0480540 CAT5e/UTP/305/PVC/GREY
305m Cat5e cable
- 0480560 CAT5e/UTP/305/LSZH/
VIOLET
305m Cat5e cable
- 0480580 CAT5e/UTP/305/DUCT/
BLACK
305m Cat5e cable
- 0480610 CAT6/UTP/305/PVC/GREY
305m Cat6 cable
- 0480620 CAT6/UTP/305/LSZH/
VIOLET
305m Cat6 cable
- 0480630 CAT6/UTP/305/DUCT/
BLACK
305m Cat6 cable
- 0946300 DIAMOND4Kv2
5in1 4k Test Monitor

