

VT-403 Series UTP Video BALUN

The Vitech VT-403 Video Transceiver with Power and Audio is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Unshielded Twisted-Pair (UTP) wire.

Features:

- Power-Video-Audio signals are routed via UTP and Rj45
- The unit is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Unshielded Twisted-Pair (UTP) telephone wire.
- Added value of Hi-frequency signal to realize high quality image
- Exceptional interference rejection
- The unparalleled interference rejection and low emissions of the unit allows video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant.
- Built-in transient protection
- Save cable cost 30%-50%

Products Specifications

Model	Power input	Extension Cable (BNC)	Audio/Data	RJ45 Standard EIA/TIA 568B
VT-403 DC-PV	12V~16VDC			●
VT-403 LDC-PV	12V~16VDC	●		●
VT-403 DC-PVA	12V~16VDC		●	●
VT-403 LDC-PVA	12V~16VDC	●	●	●
VT-403 AC-PV	24V~28VAC			●
VT-403 LAC-PV	24V~28VAC	●		●
VT-403 AC-PVA	24V~28VAC		●	●
VT-403 LAC-PVA	24V~28VAC	●	●	●

Technical Specifications

Video

Frequency response	DC to 10 MHz
Attenuation	0.5dB typ
CMRR	50 dB
Impedance:	
Coax, male BNC	75 ohms
UTP, RJ45 Connector	100 ohms

Environmental

Temperature	Operating: -10°C to +70°C Storage: -30°C to +70°C
Humidity	0 to 95%

Wire Type

Unshielded Twisted Pair:	24-16 AWG
Category Type :	5or better
Impedance:	100 ohms
DC Loop Resistance :	52 ohms per 1,000 ft
Differential Capacitance :	19pF/ft max

Dimensions

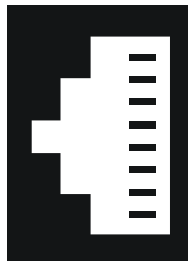
0.86(L)*0.8 (W)*1.7 (H) in (not including connectors)

Power-Distance Chart

Using VITECH 's PVA prodcuts, cameras can be powered at extended distances, please refer to the chart below for more information.

Power Supply Voltage	24VAC	28 VAC	12 VDC
Resultant Camera Voltage	21 VAC	21 VAC	11 VDC
100 mA B&W Camera			
Dual 24 AWG	1,000ft	2,500ft	250ft
Dual 22 AWG	1,500ft	4,000ft	600ft
300 mA Color Camera			
Dual 24 AWG	350ft	850ft	100ft
Dual 22 AWG	600ft	1,400ft	200ft
1 Amp P/T/Z Camera			
Dual 24 AWG	100ft	250ft	30ft
Dual 22 AWG	150ft	400ft	60ft

Camera Pinouts & UTP Color Code



1+Video White/Orange
2-Video Orange/White
3+Audio White/Green
4-Power Blue/White
5+Power White/Blue
6-Audio Green/White
7+Power White/Brown
8-Power Brown/White

APPLICATION DIAGRAM

