

GV-TPCVP3

Single Channel Passive Video and Power Transceiver, 3 pair

video PLUS™



Summary

The GV-TPCVP3 is a combination passive transmitter/receiver with one pair of video and three pairs of power over one CAT5 or CAT5e cable for longer range. This transceiver conveniently attach to the BNC connector on the back of a standard camera or to a lead with a BNC connector typically found on dome cameras.

This transceiver is capable of transmitting video and power over one CAT5 or CAT5e cable up to 1,000 feet. By using the GV-TPCVP3 transceivers from the RJ45 connection, you can simply install to a standard camera with single pair for power and BNC for video.

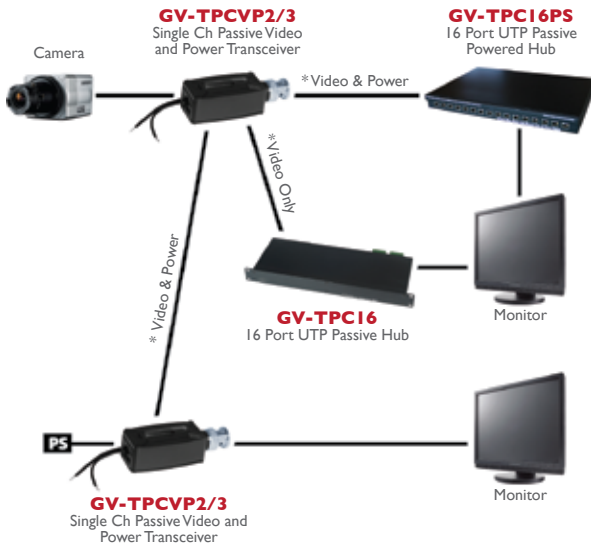
* Please note that no surge suppression component can protect against all transient voltage spikes.



Video (Dome Camera)

Power (Dome Camera)

System Configuration



Maximum Cable Distances

Passive to Passive Systems

VIDEO ONLY	
B/W Camera to Monitor	2000 ft. max.
Color Camera to Monitor	1200 ft. max.
Color Camera to DVR	1000 ft. max.
VIDEO AND POWER	
Camera Current Draw	3pr. Operation
150ma @ 24VAC	1000 ft. max.
300ma @ 24VAC	500 ft. max.
500ma @ 24VAC	300 ft. max.
1000ma @ 24VAC	150 ft. max.

		RJ - 45 Jack		
		PIN	Color	Function
PAIR 1		1	W-O	Power -
PAIR 2		2	O	Power +
PAIR 3		3	W-G	Power -
PAIR 4		4	BL	
		5	W-BL	
		6	G	Power +
		7	W-BR	Video +
		8	BR	Video -

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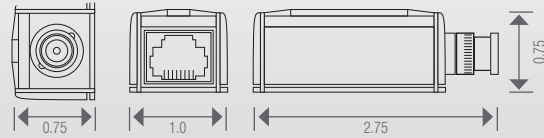
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Specifications

Video (BNC Connector)	1 (1V p-p, 75 Ohms)
Transmission Interface	RJ45
Power Output	2-20 AWG leads
Input Resistance @ BNC	75 Ohms
Insertion Loss	< 2dB
Bandwidth	20Hz ~ 11MHz +0/-3dB
Ground Loop Resistance	>90dB
Cable	Twisted Pair CAT5 (AWG24)
Material	PVC Black
Weight	2.5oz / 70g
Dimension (W x L x H)	1.0 x 2.75 x 0.75 / 25.4 x 69.9 x 19.1 mm
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)
Storage Temperature	-22°F ~ 158°F (-30°C ~ 70°C)

Dimensions (unit : in) Front/Rear Panel



Certifications



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