



CCTV Power Converter

Video, Power and Data (PTZ) transmission

Description:

Power converter with balun allows power transmission up to 1000 meters (3VA) via 3 pairs of Cat5 UTP cable. A typical application will input a 24Vac power via an external power supply to the Power Converter. This voltage will be transmitted by three pairs of UTP cable (AWG24) to the camera. The Power Converter converts the 24Vac to 12Vdc at the camera end.

Feature:

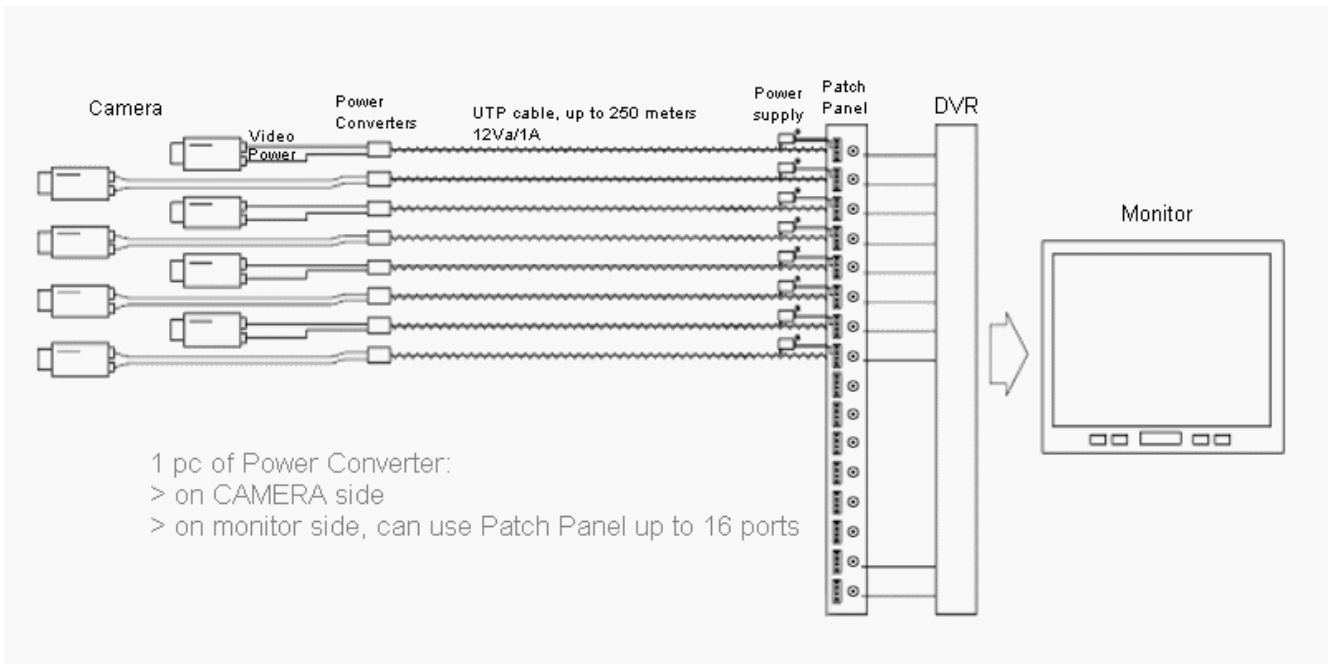
- 500mA or 1A
- Can transmit video and power only, or video, power and data.

Specification:

Bandwidth	DC to 8MHz	
Maximum Video Input	1.0Vp-p	
Impedance	75Ω to 100Ω	
Cable UTP	Cat.5 or better, AWG#24 typical. Impedance:100Ω at 1MHz, Maximum capacitance: 20pf/ft Attenuation: 6.6dB/100ft at 1MHz	
Return Loss	Greater than 15dB over the frequency range	
Insertion Loss	Max. 2dB over the frequency range	
Common Mode Rejection	40dB at 8MHz	
Maximum Distance for Video	Color:680m, B/W:780m	
Maximum Power Input	40Vdc or 28Vac	
Maximum Current Rating	4.5A	
Maximum Distance for Power: @24Vac via 3 pairs of AWG#24 UTP cat.5 cable	3VA-----1000m 6VA-----800m 12VA-----270m	
Power On LED indicator	500mA:Blue color 1000mA:Red color	
Power protection	Over current protection built-in	
Data	PTZ controller by RS485 Maximum distance can be up to 1000m.over cat.5 UTP.	
Pinouts	Only for video and power	For video, power and data
	Video: 8+/7- Power: 1,3,5+/2,4,6-	Video: 8+/7- Power: 1,3+/2,6- Data: 4+/5-
Dimension	43*43*15 in mm	
Weight	50g	

Application 1:

Power Converters are combined to our Patch Panel 16 ports, with Terminal block for power transmission:



Application 2:

One Power Converter on camera end, combined to one Power Thru balun on DVR/Monitor side:

