

Single Port Passive Analog HD Video and Power UTP Balun

Product: 1ch Power&HD Video UTP Transceiver

Mode: NX-N101PV-HD

Description: The product is passive(non-amplified) video balun that allows transmission of real-time HDCVI/HDTV/AVHD/CVBS video and low voltage power over UTP cable. In practical applications,the product used in pairs.Both of them have BNC-M and RJ-45 jack for video signal.In addition,the product features a female DC plug to connect power adapter and features a male DC plug to output power for camera.



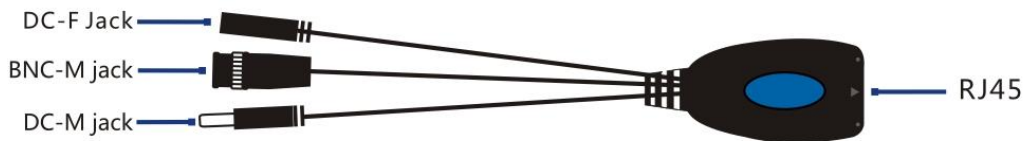
1. Transmit video and provide camera power at the same time.
2. HDCVI, HDTVI, AHD, CVBS signal 4 in 1 compatible design.
3. Transmission distance as below:
 - 1) HDCVI 1080p:100m; HDTVI 720p/1080p:150m.
 - 2) HDCVI 720p:300m; AHD-L/AHD-M:300m.
 - 3) CVBS:300m.
4. Over-current protection.
5. Suitable for concentrated wiring.
6. Super reliability&surge protection.
7. DC loop output, extensible power output.

Item		Description
Function	Channels	1 Channel (Video + Camera Power)
	Transmission Distance	0-300m
Video & Connectors Properties	Video Connector	BNC-M
	UTP Connector	RJ-45
	Compatible with	HDCVI/HDTV/AVHD/CVBS
	Signal Transmitting Band	0-70MHz
	Anti-interference	>60db
Power	Power Connector	2.1/5.5mm DC jack
	UTP Cable Connector	RJ 45
	Voltage Range	DC 12V~36V
	Maximum Current	1A
Protection	ESD	Contact Discharge:6KV Air Discharge:8KV Per : IEC61000-4-2
	Video Connector Protection	10/700us 2KV(differential-mode), 4KV(common-mode) Per: IEC61000-4-5
Environmental	Operating Temperature	0°C ~55°C
	Storage Temperature	-40°C ~85°C
	Humidity	0~95% (non-condensing)
Physical Properties	Dimensions (L*W*H)	Body Size:65x36x23MM, Cable Length: 60MM
	Material	ABS Engineering Plastic
	Color	Black

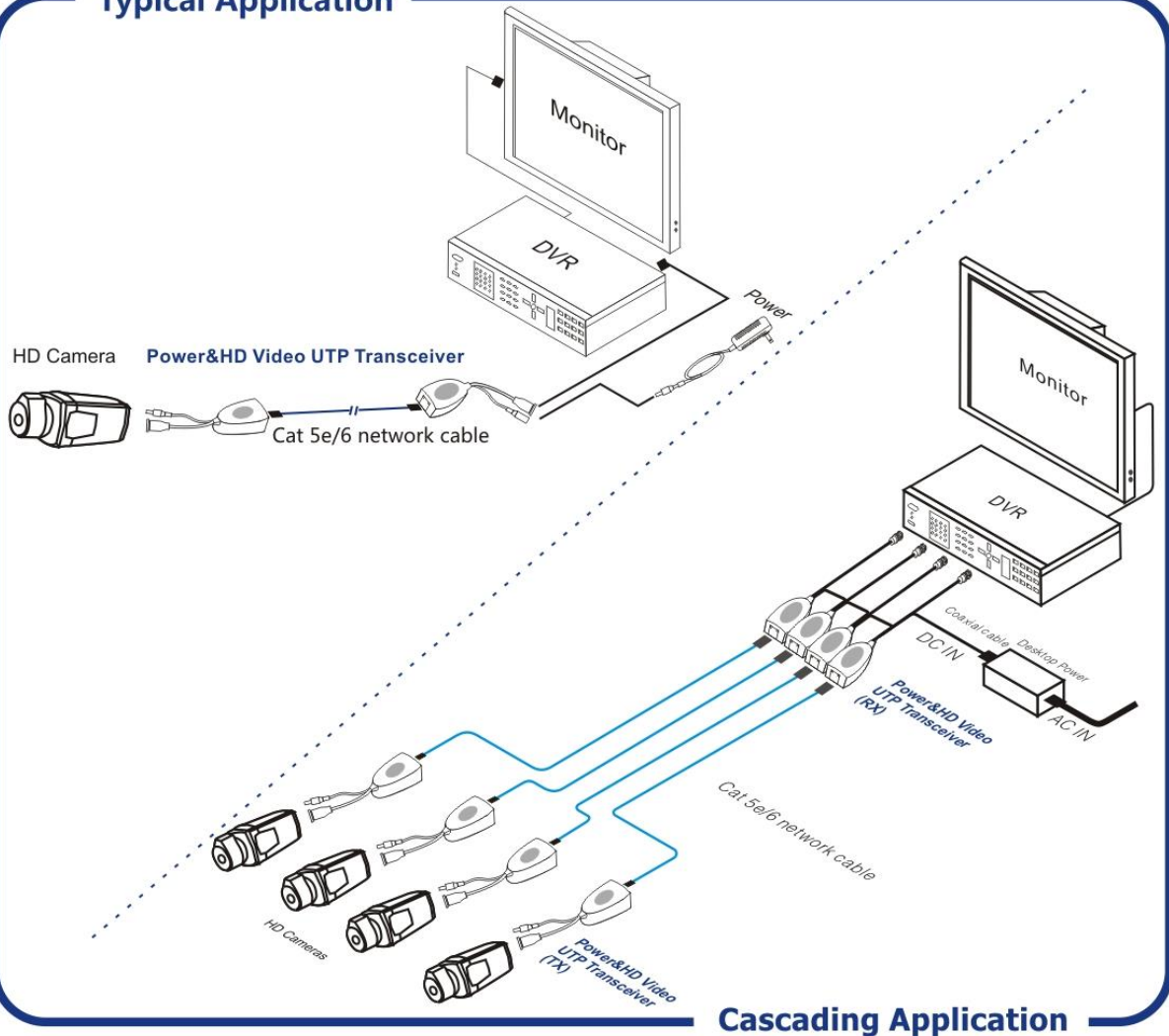
Voltage Drop according to Transmission Distance

Transmission Distance	Transmission Voltage (Output 12V DC/0.3A)	Transmission Voltage (Output 12V DC/0.5A)	Transmission Voltage (Output 12V DC/1A)	Video Compatibility
50m	13V	13.7V	15.5V	HDCVI-720P/1080P;CVBS;HDTVI-720P/1080P;AHD-L/AHD-M
100m	14V	15.5V	18.7V	
150m	15V	17V	22V	HDCVI-720P;HDTVI-720P/1080P; AHD-L/AHD-M;CVBS
200m	16V	18.7V	25.5V	HDCVI-720P;AHD-L/AHD-M;CVBS
250m	17V	20.5V	28.7V	
300m	18V	22V	32V	

Diagram



Typical Application



Cascading Application