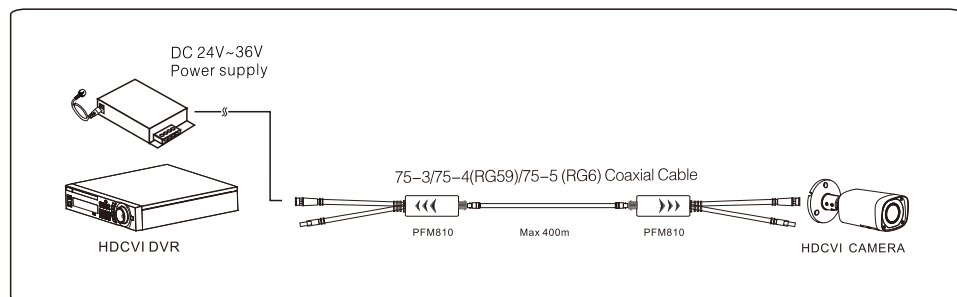


Single Channel Power Over Coax Transceiver

The device is used to power security cameras with 12 VDC voltage over single coaxial cable and transmit/receive the composite HD video signals from the cameras over the same 75 ohm coaxial cable (RG-59 or higher quality) at a distance up to 400 m.

Monitoring side input 24-36VDC, plug and play, easy to install, It is ideal for monitoring areas where no power is available to operate a camera.

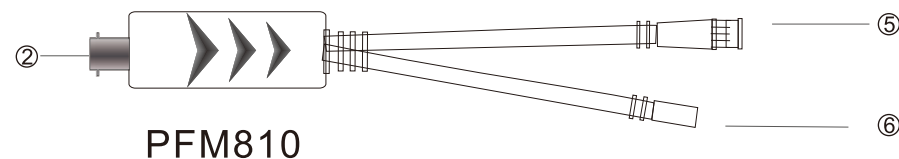
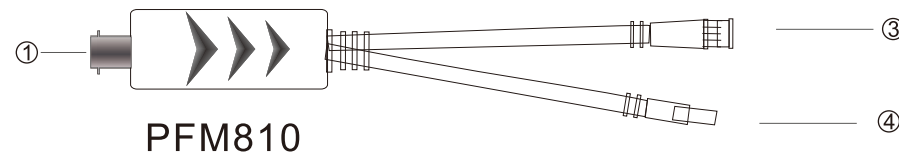
Typical Application



Features

- Compatible with HDCVI/HDTV/HD/CVBS
- Input voltage:DC24-36V , output power max to 12VDC,12W
- Transmit instant video, no delayment
- Long transmission:400m
- 1 cable for power & video transmission,no need to lay AC line and install power adapter to camera,reducing material cost
- Built-in surge and transient protection, super interference rejection
- Outershell:with extend coaxial cable, easy to install with DVR.RG59,BNC

Outer shell diagram



NO.	Component	Description
①	BNC-F	Power Over Coax Output
②	BNC-F	Power Over Coax Input
③	BNC-M	HD Video In
④	DC Male	DC Male Output DC12V
⑤	BNC-M	HD Video Out
⑥	DC Female	DC Female Input DC 24V~36V

Package Contents

- Single Channel HD Video & Power Transceiver (1 pair)
- User manual (1 pcs)

Specification

Item		Specification				
Properties	Transmission signal	1 channel HD video				
	HD Video transmission distance	720P/1080P:400m(Max)				
	Power transmission distance	Input voltage	DC 24V			DC 36V
		Distance(75-5/RG6)	0-100M	100-300M	300-400M	0-400M
		Output (max)	DC 12V 6W	DC 12V 3.5W	DC 12V 3W	DC 12V 7W
		Input voltage	DC 24V			DC 36V
		Distance(75-4/RG59)	0-100M	100-250M	0-150M	150-300M
		Output (max)	DC 12V 5W	DC 12V 3W	DC 12V 9W	DC 12V 6W
		Input voltage	DC 24V			DC 36V
		Distance(75-3)	0-100M	100-150M	0-100M	100-200M
Output (max)	DC 12V 4W	DC 12V 3W	DC 12V 9W	DC 12V 6W		
Video transmission properties and port	Category Type	Coax 75-5(RG6)/75-4(RG59)/75-3				
	Coaxial video connector	BNC-M				
	Connecting way	BNC				
	Compatible Format	HDCVI/HDTV/HD/CVBS				
	Resolution	720P/1080P				
Anti-interference	>60db					
Protection	ESD	1a contact discharge electricity level 3				
		1b air discharge electricity level 3				
		Per: IEC61000-4-2				
	Coaxial cable connector	2KV(common-code) Per: IEC61000-4-5				
UTP Cable Connector	2KV(different-code), 4KV(common-code), Per: IEC61000-4-5					
Impedance	Coax	75 ohms				
Physical Properties	Dimension (L*W*H)	78x29x22mm				
	Shell	ABS				
	Color	Black				
	G.W.	153g				
Stability	MTBF	>10000H				
Environmental	Operating Temperature	-10-55°C				
	Storage Temperature	-20-70°C				
	Humidity	0-95% (non-condensing)				

Specifications subject to change without notice.

Installation Procedure

Please follow the next installation steps:

- (1) Please switch off cameras, monitors & DVR etc. before installation. Or else installation with power may damage devices;
- (2) Make sure coaxial cables to be used are available;
- (3) Connect the video transmitter with cameras via BNC-M and DC jack;
- (4) Connect the video transmitter & receiver via coaxial cable; and connect power supply by DC cable
- (5) Connect the passive receiver with DVR or monitor via coaxial cable;
- (6) Check all connection and power the whole system;
- (7) Check if image is normal and all devices are working normally.

Troubleshooting

Please follow these steps if any trouble in installation:

- Check if it's according to the manual;
- Check if all connection is right, and if RG59 is ok;
- Make sure the cables are quality and the real distance not exceeds the allowed transmission distance;
- Check if connection is right and all devices are powered once there is no image;
- Replace the device at question by a normal working device;
- Please contact your vendor if trouble still exists.