

## HD-SDI Video Power Data over one Coax

ITEM NO.: SDIVPD [HD-SDI & Power, RS485 Data over One Coax Cable](#)

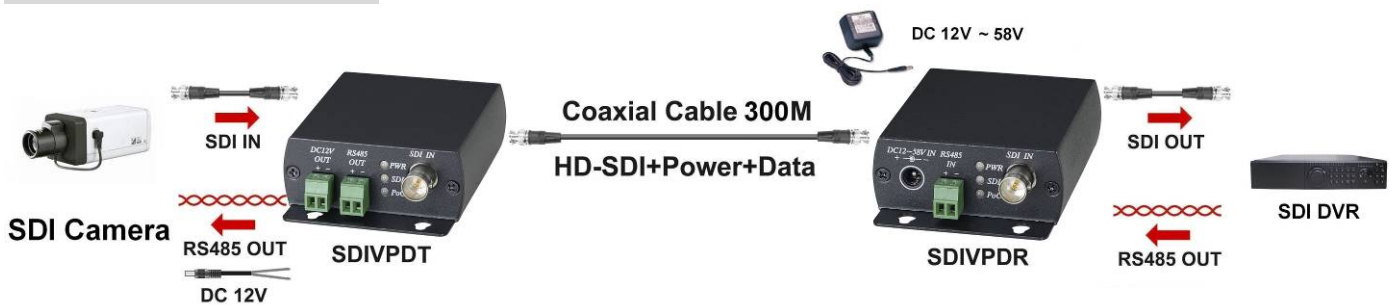


SDIVPD designed is using same one coax cable to send HD-SDI video with RS485 data and power to HD-SDI camera. It can offer real-time and un-compressed broadcasting video quality, up to 1080p resolution and comply with SMPTE 292 , in additional, This can be used in application fields which the camera side not easy to have local power. Such as HD CCTV, machine vision, medical/equipment inspection..etc.

### SDIVPD [HD-SDI & Power, RS485 Data over One Coax Cable](#)

- To send HD-SDI video, RS485 data and camera power over one coaxial cable.
- Allow to use existing RG59 coax cable to upgrade the HD-SDI camera from analog camera.
- Transmission distance up to 300 meters over RG6U cable
- Built in RS485 data, application for PTZ camera one way data transmission, transmission speed up to 57600bps.
- SDIVPR receiver power input support: DC12V to DC58V
- SDIVPT transmitter and camera power from receiver unit.
- SDIVPT support camera power up to DC12V/1Amp.
- POC built in two class surge protection: class I 2KA (8/20uS) , class II 2A (8/20uS)
- SDI output/input built in 2A 2KA (8/20uS) surge protection
- Support SDI (SMPTE 259M), HD-SDI (SMPTE 292M).
- Support video signal 720p, 1080i, 1080p.

### Installation View:



### SDIVPD LED Indication :

Color	Item	SDIVPDT	SDIVPDR
Green	PWR	On : power on	
Blue	SDI	On: Receive SDI signal	
Red	POC	On : sending power /Flash : Power detection	On : receiving power/ flash : Power overload

## Cable Distance :

1. RG6U 300M Max.
2. RG59 125M Max

## SDI VPDT Power Supply:

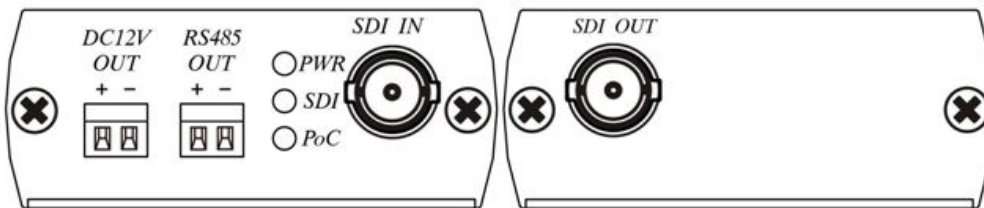
1. Using DC 24V power adapter, power output DC 12V / 1A at max. distance 200M
2. Using DC 24V power adapter, power output: DC 12V / 0.5A at max. distance 300M

## Caution :

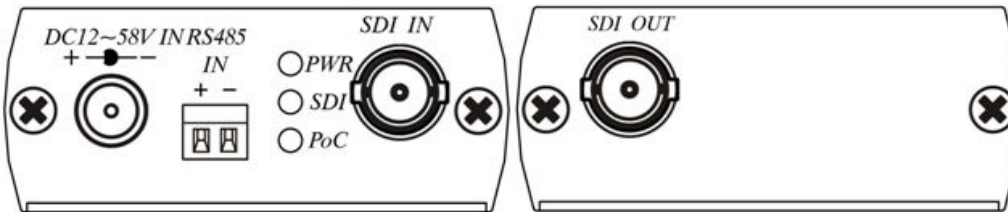
1. Using DC 12V power adapter , the SDI VPDT output voltage less than DC12V, which won't able to send power to HD-SDI camera use.
2. If no need to send power to HDSDI camera, power adapter DC 12V / 1A could be used.
3. This product not support 23.97 / 29.95 / 59.94 frequency.

## Panel View:

### SDI VPDT



### SDI VPDR



## Caution:

The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

## Specification:

ITEM No.	SDI VPDT	SDI VPDR
Support format	HD-SDI (SMPTE 292M)	
Support Resolution	720p@24/25/30/50/60Hz · 1080i@50/60Hz · 1080p@24/25/30Hz	
LED	LED Green x 1 · LED Blue x 1 · LED Red x 1	
SDI input/output	BNC x 2 (75Ω)	
RS-485 output/ input	2 pin removable terminal x 1	
Power terminal	Ø 2.0 mm x 1	2 pin removable terminal x 1
Power Consumption	3W ( Max)	
Power Adapter	DC 24V / 1.25A	X
Power adapter Support	DC 12V ~ 58V	X
Power Output	X	DC 12V / 1A (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimension mm	67 x 102 x 27	
Weight g	185	180