

Product Datasheet

10/100M High-power PoE Splitter Cable

(ONV-PD5202-at)



OVERVIEW

The ONV-PD5202-at is a 10/100M high-power PoE splitter cable independently developed by ONV. It has 1*10/100Base-TX RJ45 port and 1*8P male output port and 1*DC5521 power port. The invention meets the requirements that various non-PoE network terminals can be externally connected with PoE switches for use, flexibly expands security monitoring and wireless networks without being limited by power line layout, reduces system wiring, improves system stability and safety, and reduces maintenance costs.

The ONV-PD5202-at housing is made of ABS and PC flame-retardant plastic material, meeting the standard of IEEE802.3af/at. Compatible with power supply methods of both End-span(1,2+ 3,6-) and Mid-span (4,5+ 7,8-). With the features of output power at 24W, low ripple, more than 82% high efficiency, port isolation protection: 2KV and protection for short circuit, overcurrent, and overtemperature. Plug and play, no configuration required, simple and convenient to use.

FEATURE

■ 10/100M Fast Ethernet

- ◇ DC interface has dustproof and waterproof measures.
- ◇ Support short circuit, overcurrent, and overtemperature protection.
- ◇ Output voltage: 12VDC(Default), 5~24VDC can be customized, with low ripple.
- ◇ Input voltage 44-57VDC, rated output power 12W, greater than 82% efficiency.

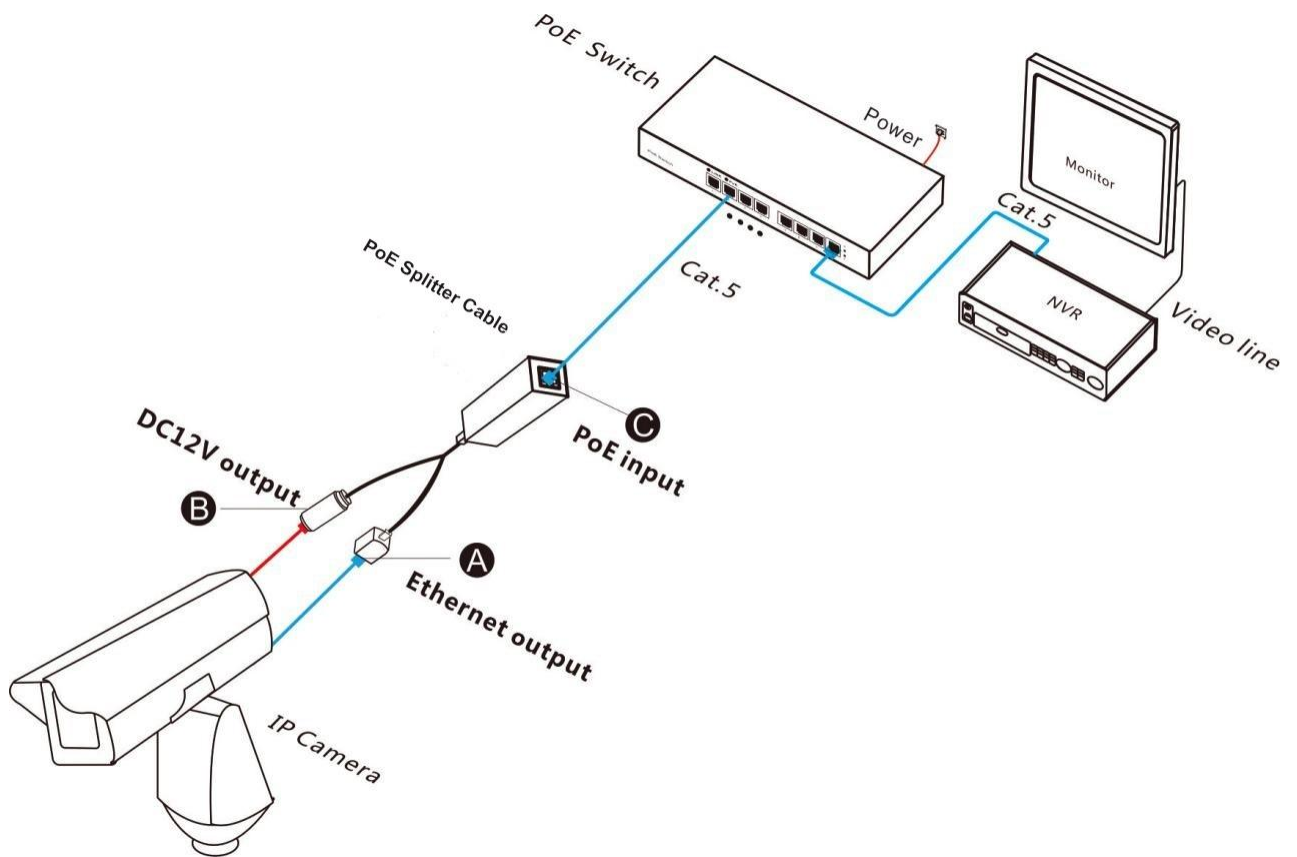
- ◇ Support IEEE802.3af/at standard, Both mid-span (4/5+, 7/8-) and end-span (1/2+, 3/6-).
- ◇ 1500V high voltage isolation (input stage to output stage) (only applicable to ONV-PD5202, ONV-PD5202-at).

TECHNICAL SPECIFICATION

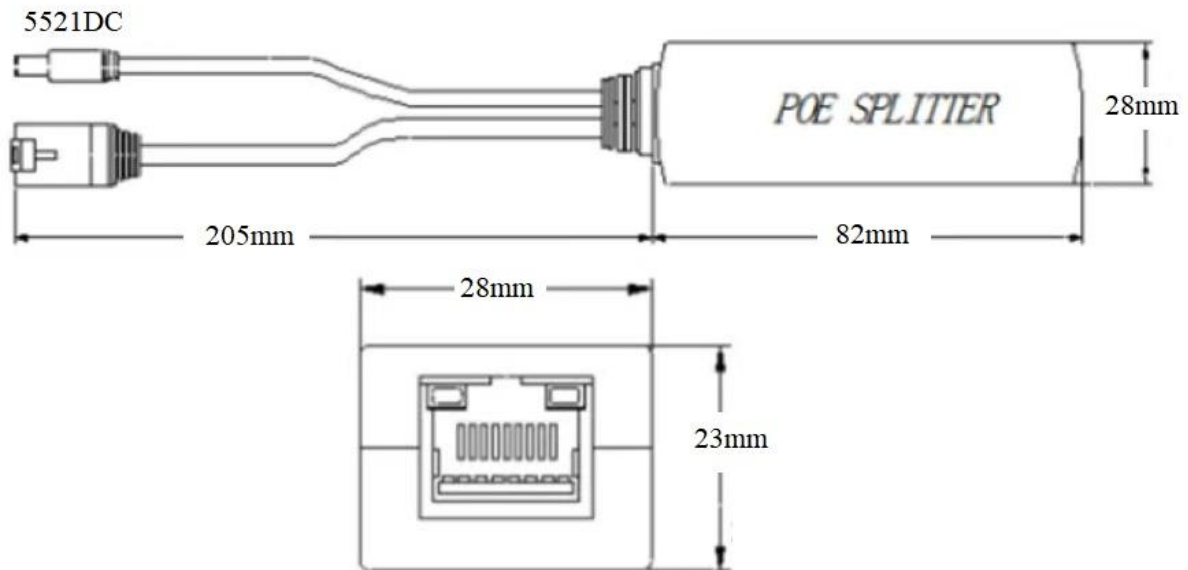
Model	ONV-PD5201	ONV-PD5202	ONV-PD5202-at
Interface Characteristics			
Fixed Port	1*8P male output port (Data) 1*DC5521 power port (Power) 1*10/100Base-TX RJ45 port (Data)		
Ethernet Port	10/100Base-TX auto-sensing, full/ half duplex MDI/ MDI-X self-adaption		
Network Characteristics			
Transmission Bandwidth	10/100M		
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters)		
LED Indicator	Working indicator: POE (Yellow)		
PoE& Power Supply			
PoE Port (PD)	PD port IEEE 802.3 af/at @ PoE		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3x		
Power Supply Pin	1/2(+)/3/6(-) & 4/5(+)/7/8(-)		
Input Voltage	44-57VDC		
Output Voltage	Default 12VDC± 0.5V, optional 5V, 9V, 24VDC output Default DC5521 plug, optional Micro USB power plug		
Power Consumption	Standby<1W, full load<15W	Standby<1W, full load<13W	Standby<1W, full load<24W
Conversion Efficiency (Output: Input)	≥82%		

Physical Parameter

Operation TEMP/ Humidity	-20°C~+55°C, 5%~90% RH non-condensing		
Storage TEMP/ Humidity	-40°C~+85°C, 5%~95% RH non-condensing		
Dimension (L*W*H)	82*28*23mm, cable length ≤ 250mm		
Net /Gross Weight	0.05kg /0.07kg	0.06kg /0.08kg	0.1kg /0.12kg
Lightning Protection	4KV 8/20us, Protection level: IP40		
Warranty	1 year, lifelong maintenance		

APPLICATION

DIMENSION



ORDERING INFORMATION

Model	Description
ONV-PD5201	10/100M non-isolated PoE splitter cable can support IEEE 802.3 af/at PoE standard. Input voltage: 44-57VDC. compatible with 1236&4578 dual mode power supply. Output voltage: 12VDC, and max full load power is 15W.
ONV-PD5202	10/100M isolated PoE splitter cable can support IEEE 802.3 af/at PoE standard. Input voltage: 44-57VDC. compatible with 1236&4578 dual mode power supply. Output voltage: 12VDC, and max full load power is 13W.
ONV-PD5202-at	10/100M isolated high-power PoE splitter cable can support IEEE 802.3 af/at PoE standard. Input voltage: 44-57VDC. compatible with 1236&4578 dual mode power supply. Output voltage: 12VDC, and max full load power is 24W.

PACKING LIST

Packing List	Content	Qty	Unit
	10/100M high-power PoE splitter cable	1	PC
	Warranty Card and Certificate of Conformity	1	PC

CONTACT US

ONV[®]

Optical Network Video Technologies (Shenzhen) Co., Ltd.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Skype: onv@onv.com.cn

WeChat ID: ONV-PoE-IoT

Website: www.onvcom.com

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen

Factory Address: Building B3, Galaxy Artificial Intelligence Industrial Park, No. 333, Zhongkai 6th Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou

