



List of Verified IEEE 802.3at Power Sourcing Equipment

PTZ CAMERA

BRC-X400 / SRG-X400 / SRG-X120 / BRC-X401 / SRG-201M2 / SRG-HD1M2

classificationRevision 1.0.0

Nov. 15, 2016

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Revision History

Date	Revision	Description
Nov. 15, 2016	1.0.0	Initial version

Disclaimer

The table below lists PSE which verified with Sony PTZ camera under our test environment and conditions.

Please note that all the normal operations of the PSE are not guaranteed.

Before real use, be sure to make verification according to real usage.

The specifications of the PSE are subject to change.

Notice

Our PTZ camera products which mentioned in this document are compliant with the IEEE 802.3at standard, these are adaptable to both Mode A and Mode B.

The powered devices that implement only Mode A or Mode B are specifically not allowed by IEEE 802.3at standard.

To supply power via Ethernet cable to the PTZ camera with IEEE 802.3at standard, please use the power sourcing equipment (PSE) which conforms to the IEEE 802.3at standard.

The PTZ camera would be broken if connecting with the PSE which doesn't conform to the IEEE 802.3at standard.

And also, the PSE which conforms only to the IEEE 802.3af cannot be used. If you use this kind of PSE, it is possible that the defective might be observed.

Also, it is possible that the defective might be observed if the settings of the PSE is wrong.

In such cases, you can see the following phenomenon.

Verification result

The following table shows the results of verification. Please refer to the tables of “Remarks of Result” for details.

Powered Device (PD)		Power Source Equipment (PSE)					Result
Model	Firmware Version	Manufacturer	Model Name (Model Number)	Firmware Version	2-event (layer-1)	LLDP (layer-2)	
BRC-X400 SRG-X400 SRG-X120 BRC-X401 SRG-201M2 SRG-HD1M2	1.00	END POINT TYPE					
		Cisco Systems	Catalyst 2960S-24PS-L (WS-C2960S-24PS-L)	5.0(2)SE8		○	B(*1)
		Hewlett-Packard	HP E2910-48G-PoE+ al Switch (J9148A)	W.15.08.0012		○	A
		NETGEAR	GSM7224P	9.0.2.15	○	○	A
		Panasonic	Switch-M5eGPWR+ (PN28059)	1.0.0.62		○	A
			Switch-M24GPWR+	2.0.0.52		○	A
		MIDSPAN / INJECTOR TYPE					
		Cisco Systems	SB-PWR-INJ2	not applicable	○		A
		PELCO	POE1AT	not applicable	○		A
		PowerDsine	PowerDsine 9001GR/AC	not applicable	○		Z(*2)

(*1) In this PSE, the LLDP function is disabled in the factory default settings.

You have to enable the LLDP function to provide power to the IEEE 802.3at Powered Device(PD).

Please refer to the 27-6 Enabling LLDP in configuration guide for detail.

Catalyst 2960, 2960-S and 2960-Plus Switches Software Configuration Guide

Cisco IOS Release 15.0(2)SE and Later

Text Part Number: OL-26520-03

http://www.cisco.com/en/US/docs/switches/lan/catalyst2960/software/release/15.0_2_se/configuration/guide/2960_scg.pdf

(*2) We found that PD-9001GR/AC does not perform the 2-events classification in some cases.

As a result, the PD can not be operated normally.

- ✓ Turned off and on again in a short period of time.
- ✓ Disconnect and connect again the LAN cable in a short period of time.

Table: Remarks of Result

Mark	Description
A	In the factory default setting, the PD works fine.
B	In the factory default setting, the PD will not start. To avoid this symptom, please enable the LLDP function of the PSE. As result, the PD works fine by using LLDP function.
Z	PD doesn't work properly.