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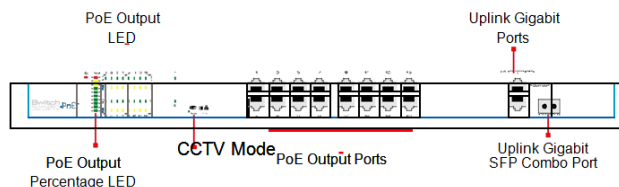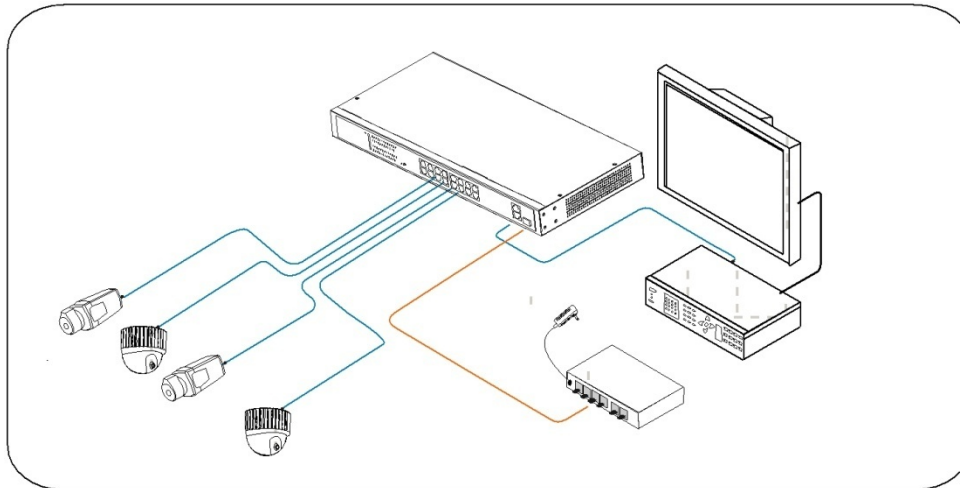# P16S18 – 18-Port Switch, 16-Ports 802.3at/af PoE

Thank you for your choice of Speco Technologies' **P16S18** IP camera accessory. This unit is designed and manufactured to provide an economical solution for powering IP cameras via Power over Ethernet. The sturdy construction of these units ensures a long & productive life.

IN THIS BOX
1 x PoE Switch
1 x AC Power Cable
1 x Mounting Accessories

DESCRIPTION
The **P16S18** consists of a single chassis with 18 RJ-45 connectors. These units are designed to provide PoE power for up to 16 PoE ready IP cameras.

INSTALLATION INSTRUCTIONS:
1) Turn off power to the units and sources. Installing the **P16S18** while power is live may damage the units.
2) Use an RJ45 network cable to connect a POE capable IP camera with any or all of the **P16SW18** ports 1-16.
3) Use an RJ45 network cable to connect your recording device (NVR, Hybrid DVR, etc.) with the **P16S18** uplink ports.
4) Connect the power adapter.
5) Confirm all cables are connected securely and properly and power on all units.

NOTE: CCTV Isolate/Default switch function: Activation of this switch will isolate downlink ports and thus prevent ports from sharing data. This, in turn, could improve data forwarding efficiency, port bandwidth utilization and system security.
IMPORTANT: Using this feature will slow ports to 10MBPS speed, so it is recommended to keep switch on default unless you have a specific application.

SPECIFICATIONS:

- Downlink Ethernet Ports: 16×10/ 100Base-TX PoE+
- Uplink Ethernet Ports: 2×10/100/1000Base-T+1×1000Base-X(combo)
- Power Input: 1×AC Female Terminal
- Grounding Terminal: 1×Grounding Terminal
- Power Input: Mains on load, 100～240VAC 50/ 60Hz
- PoE Power Supply: Endspan (1/2, 3/6), IEEE802.3 af/ at
- PoE Max. Power Output: 180W
- Single Port Power Output & Voltage: ≤30W, Voltage 54VDC
- CCTV Mode:
  1. Downlink ports only communicate with uplink ports;
  2. Restrain network storm under 2Mbps;
  3. Extend transmission distance to 250m;
  4. Rate: 10Mbps (Downlink Ports)
- Network Standards: IEEE 802.3,IEEE 802.3u,IEEE 802.3ab,IEEE 802.3z
- Maximum Transmission Distance: 328' (100m)
- Exchange Capacity: 7.2Gbps
- Packet Transfer Rate: 5.36Mpps
- MAC Address: 4K
- Packet Data Cache: 2.75Mb
- Indicator Status:
  1. Power Input: 1x Red LED
  2. Downlink Ethernet Ports: 16x Green LED
  3. PoE: 16x Yellow LED
  4. Uplink Ethernet Port: 2x Green LED
  5. PoE Power Output Percent: 5x LED(Including 3x Green, 1x Yellow, 1x Red - separately indicates 30%、60%、90%、95%～100%)
- ESD: 6KV/8KV, Per:IEC61000-4-2
- Surge Protection: 6KV, Per: IEC61000- 4- 5
- Operation Temperature: 14F to 114F (-10 to 45C)
- Storage Temperature: -40F to 185F (-40C-85C)
- Humidity (Non- condensing):   0～95%
- Dimensions (LxWxH):   17.4" x 11.2" x 1.8" (442mmx285mmx44.5mm)
- Weight: 2.2 Lbs
- Warranty: 2 Years (please visit Specotech.com for full warranty terms and conditions)

TROUBLESHOOTING TIPS

- Please make sure you have carefully followed instructions
- Please confirm the RJ45 cable being used is in accordance with the EIA/TIA568A or 568B industry standards
- Please make sure no more than 30W of power is being put onto any one port and that the total combined power of all cameras or accessories does not exceed 180W
- If possible, try the same equipment with another PoE switch to confirm if your switch might be at fault

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