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POE-SP02BTV-POEG25

2.5G Industrial IEEE 802.3bt 90W PoE++ Splitter with 1 BT PoE Output and 2 Adjustable DC5–36V Outputs with LED Display



Outstanding Features

- BT90W POE SPLITTER - Split 90W IEEE802.3bt PoE input to IEEE802.3bt POE and DC5-36V adjustable power outputs, Max 70W.
- IEEE802.3BT POE OUTPUT - 1 x IEEE 802.3bt PoE passthrough output, allowing the device to simultaneously provide both PoE and DC power output from a single PoE input, and the PoE output can be turned on or off.
- 2.5G HIGH SPEED NETWORK - Supports 10/100/1000/2500Mbps network transmission, ideal for high-bandwidth applications such as AI cameras, WiFi 6/7 access points, high-resolution video, and edge computing deployments.
- WIDE VOLTAGE OUTPUT - Wide 5-36V DC adjustable voltage range ensures universal compatibility with diverse devices, like PTZ cameras, Center Control system, Home-Cloud platform, Door Controllers, Adjustable LED Fill Light.
- LED DISPLAY PANEL - Displays real-time output voltage for DC 3~36V output. Help to efficiently control how much power is output.
- POE STATE - PoE input state indicator light, making it easy to verify the actual PoE input protocol class.
- RUGGED DESIGN - Industrial grade metal housing with DIN-rail mounting design for harsh environments. Supports -40°C to 75°C wide temperature operation with built-in short-circuit and thermal protection.

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Specification

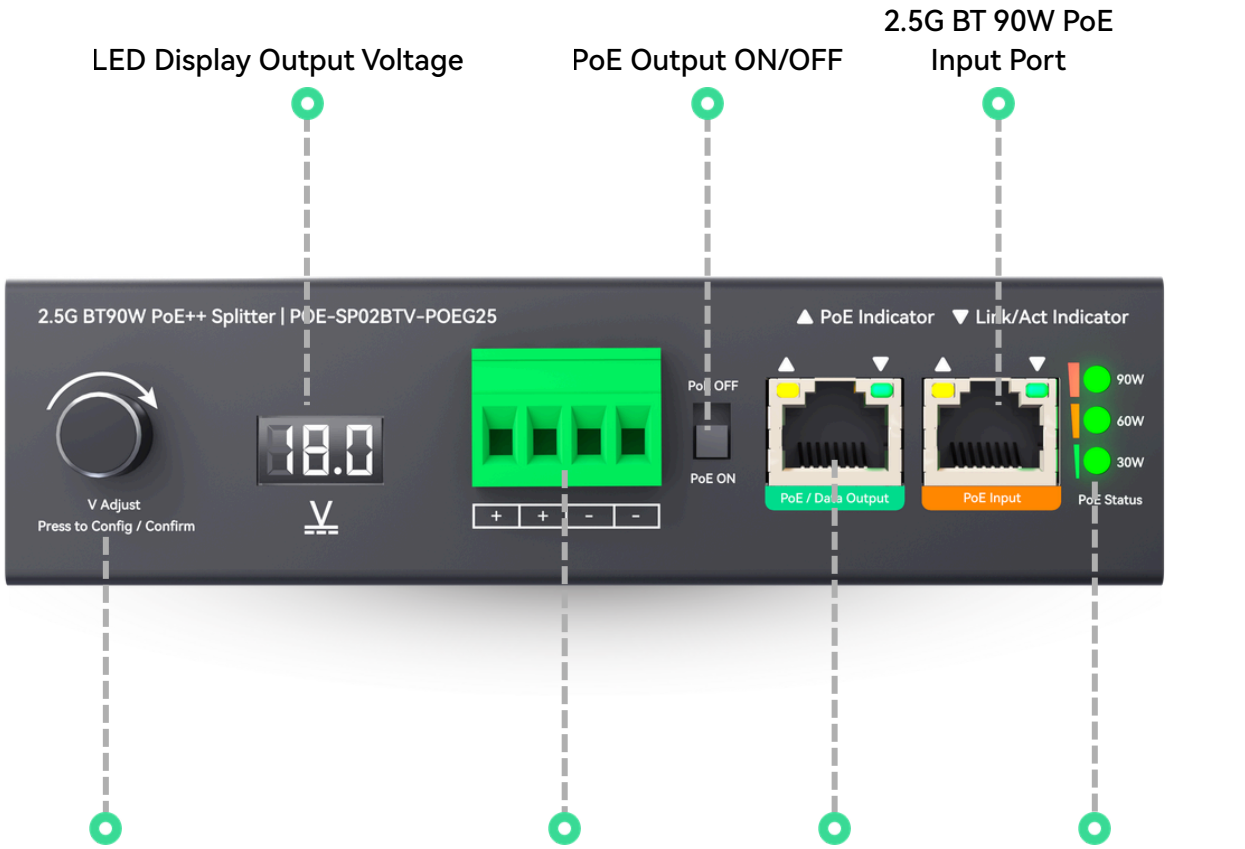
Model	POE-SP02BTV-POEG25
Ports	1 × 10/100/1000/2500Mbps RJ45 PoE Port (PoE Input) 1 × 10/100/1000/2500Mbps RJ45 Port (Switchable PoE/Data Output) 1 × DC Output Port
Network Media	10Mbps: Cat 3,4,5 Unshielded Cable 100Mbps: Cat 5,5E Unshielded Cable 1000Mbps: Cat 5E, 6 Unshielded Cable 2500Mbps: Cat 5E, 6 Unshielded Cable
Pass Through Data Rates	10/100/1000/2500 Mbps
POE Output Pin Assignment	1/2（+）3/6（-）；4/5（+）7/8（-）
Power Output	Total Output Power: 70W Max. (PoE Output Priority) PoE Output: IEEE 802.3bt DC Output: Adjustable 5–36V DC (5–7V: 10A Max.; 8–36V: 70W Max.)
Input Power Requirements	DC Input Voltage: 44 to 57V DC
Indicators	PoE Input Indicators / DC out Voltage LED Display
Connectors	Shielded RJ-45, EIA 568A and 568B
Dimensions (W × D × H)	142 × 102 × 38 mm (5.59 × 4.01 × 1.50 in)
Weight	536 g (1.18 lb)
Environmental Conditions	Operating Ambient Temperature: -40°F to 167°F (-40 to 75℃) Operating Humidity: Maximum 90%, Non-condensing Storage Temperature: -40°F to 167°F (-40 to 75℃) Storage Humidity: Maximum 95%, Non-condensing
Regulatory Compliance	IEEE 802.3af (PoE) IEEE 802.3at (PoE) IEEE 802.3bt (PoE) IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet)

*Disclaimer：Technical specifications may subject to change without prior notice

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Interface

Front View

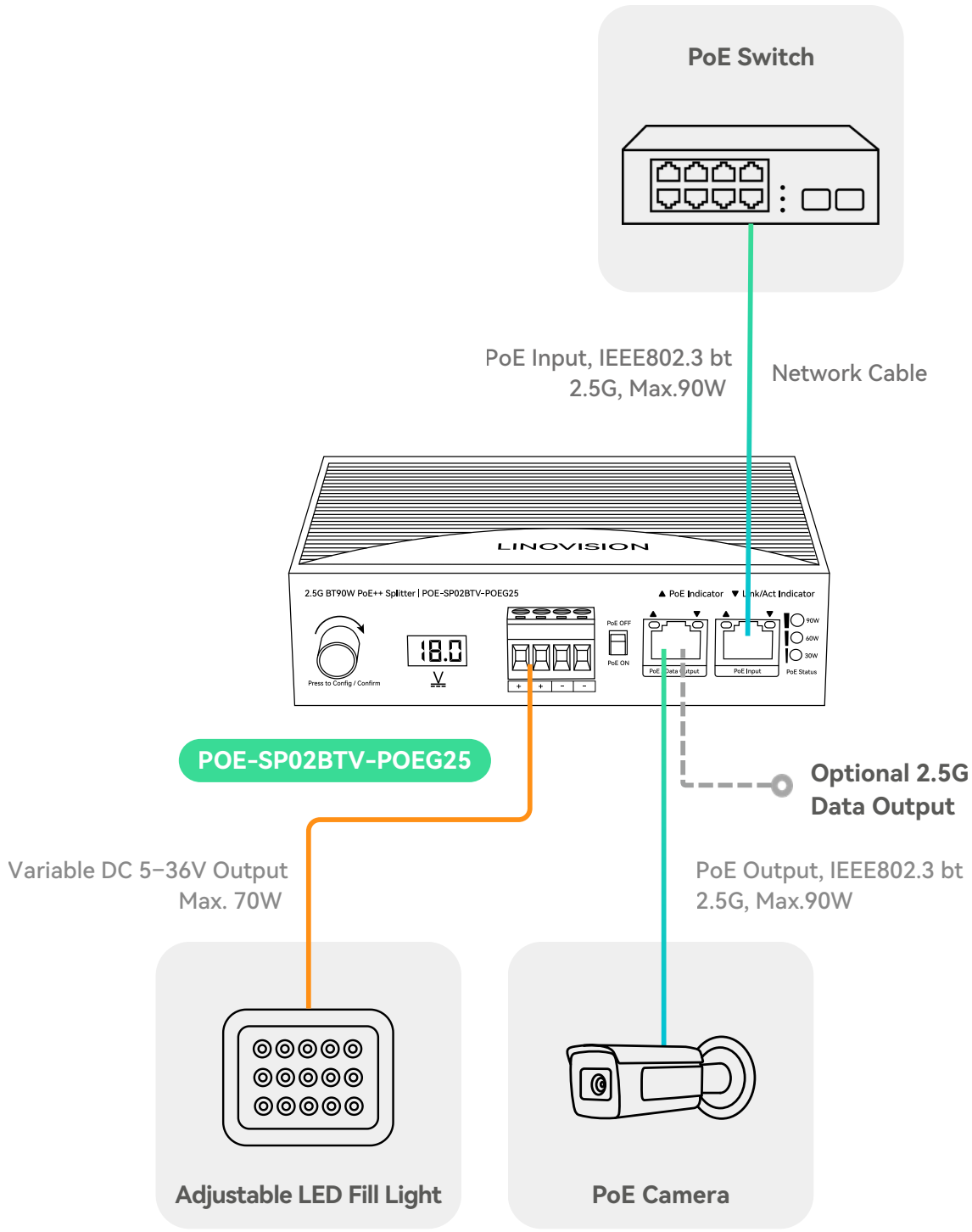


Note: Press the voltage adjustment knob to unlock, then rotate it to adjust the output voltage. Press again to confirm and lock the setting.

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Connection Diagram



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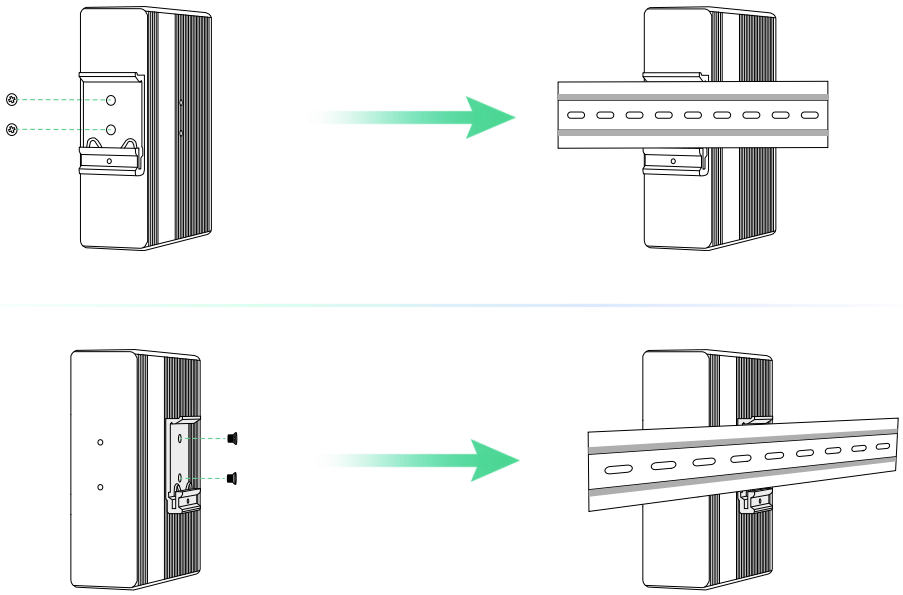
Dimension



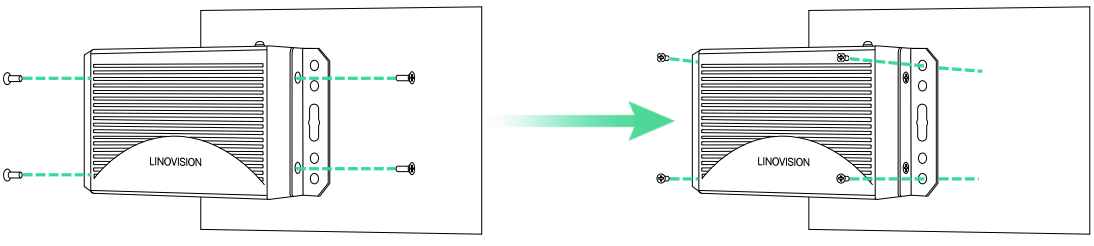
Weight: 536 g (1.18 lb)

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Installation



DIN-Rail Mounting



Wall Mounting

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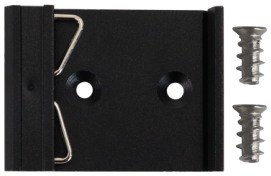
Package Contents



POE-SP02BTV-POEG25



Wall Mounting Accessory



DIN-Rail Mounting Accessory



User Manual

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