



Hikvision DS-3E1518P-SI-16P2F

· Specification summary



Shell	Metal material
Net Weight	2.56 kg
Gross Weight	3.479 kg
Dimensions (W × H × D)	440.0 mm × 44.0 mm × 220.8 mm (17.32" × 1.73" × 8.69")
Operating Temperature	0 °C to 45 °C
Storage Temperature	-40 °C to 85 °C
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100 to 240 V AC, 50/60 Hz, Max. 4 A
Installation Mode	Rack (equipped with mounting ears)
Max. Power Consumption	250 W
Power Consumption in Idle	10 W
Surge Protection	6 kV
Ports	16 × Gigabit PoE port, 2 × Gigabit fiber optical port
MAC Address Table	8 K
Switching Capacity	56 Gbps
Packet Forwarding Rate	41.66 Mpps
Internal Cache	4.1 Mbits
PoE-port link rates	10/100/1000 Mbps
SFP link rates	100/1000 Mbps
Long Range	Ports 1 to 16: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 18: port isolation mode to improve network security Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 16: auto detect and restart the cameras that do not respond.
Link Aggregation	Static link aggregation; up to 8 groups.
QoS	Port-based priority; SP and WRR scheduling.
Loop Prevention	IEEE 802.1D STP and 802.1w RSTP; G.8032 ERPS; disabled by default.
VLAN	IEEE 802.1Q; VLAN IDs 1-4094; Trunk and Access modes; maximum 4094 VLANs.
Hik-Partner Pro management	One-click activation and remote management: port rate, bandwidth utilisation, PoE usage, topology and alarms; restart ports/devices, enable long-range mode and upgrade firmware.

Port Rate-Limiting	Supported; per-port bandwidth adjustment.
Storm Control	Rate limiting for broadcast, multicast and unknown-unicast packets.
DHCP Snooping	DHCP packets permitted through trusted ports; disabled by default.
ACL	Inbound port ACLs; IPv4 and MAC ACLs; source/destination MAC/IP address and IP protocol type matching.
IPSG	Port, MAC and IP binding; up to 256 security entries.
Energy-saving mode	Supported; user-configurable plans
Web management	Supported
DHCP client	Supported; enabled by default for management-IP assignment
Super IP	Fixed 10.180.190.200 for direct access
Management platforms	Hik-Central Pro and Hik-Partner Pro
Cable diagnostics	Open circuits, short circuits and network-cable length
Discovery protocol	IEEE 802.1ab LLDP
Port mirroring	Supported
SNMP	v1/v2c
PoE Standard	IEEE 802.3af, IEEE 802.3at
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Port	PoE: Ports 1 to 16
Max. Port Power	30 W
PoE Power Budget	230 W
Manufacturer-listed EMC	CE-EMC; detailed test standards are listed in the dated datasheet.
Manufacturer-listed safety approvals	CB and CE-LVD; detailed standards are listed in the dated datasheet.
Manufacturer-listed environmental directives	CE-RoHS, WEEE and REACH; see the dated datasheet for identifiers.
Reset button	Restores factory defaults; hold for more than 5 seconds.
Grounding terminal	Supported; chassis grounding connection.
Power accessories	Power cord listed as attached; confirm regional supply.

Specifications are summarised from the manufacturer's published information (checked 2026-09-10). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

IS Distributions Sdn. Bhd., Kuching, Sarawak ·
<https://www.isdsb.com.my/product-hikvision-network-ds-3e1518p-si-16p2f.html>