

## DS-3E2528(B) Gigabit Ethernet switch

DS-3E2528(B) switch is a new generation of intelligent access switch launched by our company for operator local network and enterprise network. Based on the new generation of high-performance hardware and software platform with independent intellectual property rights, DS-3E2528(B) supports powerful ACL, QinQ, QoS and other functions, and supports three-tier routing. Its simple and rich management mode and flexible installation mode enable the product to meet the access requirements of various complex scenarios.



### Feature and Function

- 24 Gigabit electrical ports and 4 Gigabit SFP optical ports
- Support static routing, policy routing, rip, OSPF and other three-layer routing protocols
- IGMP snooping and GRMP for filtering multicast traffic.
- Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning.
- Support IEEE 802.1x authentication, radius and bdtacacs + authentication
- Support DHCP Server、DHCP Relay、DHCP Snooping
- Support EAPs and ERPs Ethernet ring network protection protocol
- QoS (IEEE 802.1P/1Q and TOS/DiffServ) to increase determinism.
- Easy network management by web browser, Console, Telnet, SSH.
- SNMPv1/v2c/v3 for different levels of network management.

### Specification

Model		DS-3E2528(B)
Network Parameters	Port Number	24 Gigabit electrical ports and 4 Gigabit SFP optical ports
	Forwarding Mode	Store-and-forward switching
	MAC Address Table	8 K
	Switching Capacity	336 Gbps
	Packet Forwarding Rate	51 Mpps
Software Function	Device Maintenance	Support Console, Telnet, SSH Support web, http,https Support FTP, TFTP, Xmodem, SFTP Support SNMP V1/V2c/V3 Support RMON Support NTP

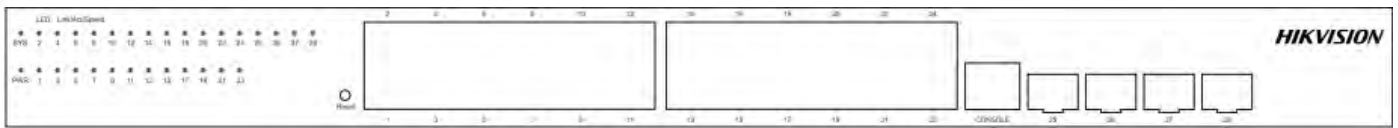


Reliability	<ul style="list-style-type: none"> <li>Support STP/RSTP/MSTP</li> <li>Support EAPS/MEAPS</li> <li>Support MRD-Ring</li> <li>Support ERPS</li> <li>Support VRRP</li> <li>Support BFD for OSPF</li> <li>Support BFD for OSPF</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>Support IEEE 802.1Q (VLAN), 4096 VLAN IDs</li> <li>Support GVRP</li> <li>Support QinQ</li> <li>Support VLAN based on MAC/ protocol /IP subnet / policy / port</li> <li>Support Private VLAN</li> <li>Support 1:1 and N:1 VLAN Mapping functions</li> </ul>
Port Mirroring	<ul style="list-style-type: none"> <li>Support local and remote port mirroring</li> <li>Support N:4 port mirroring</li> <li>Support flow mirroring</li> <li>Support MAC mirroring</li> </ul>
Routing	<ul style="list-style-type: none"> <li>Support Static routing, RIP, OSPF</li> <li>Support IPv4/IPv6 ECMP</li> <li>Support VRRP, VRRP v3</li> <li>Support IPv4/IPv6 Policy-based routing</li> <li>Support IPv4/IPv6 Routing policy</li> <li>Support IPv4/IPv6 dual stack</li> <li>Support IPv6 static routing, RIPng, OSPFv3</li> </ul>
QoS	<ul style="list-style-type: none"> <li>Support Diff-Serv QoS</li> <li>Support 802.1p/DSCP priority mapping</li> <li>Support Queue scheduling including SP, WRR, WFQ, SP+WRR, SP+WFQ</li> <li>Support Priority marking and remarking</li> <li>Support Traffic shaping</li> <li>Support Congestion avoidance, Tail-Drop and WRED</li> <li>Support 802.1p, TOS, DSCP, and EXP priority mapping</li> <li>Support Port/Flow- based Rate Limiting</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>Support IGMP v1/v2/v3 Snooping</li> <li>Support IGMP V1/V2/V3</li> <li>Support MLD Snooping v1/v2</li> <li>Support MLD v1/v2</li> </ul>
ACL	<ul style="list-style-type: none"> <li>Support IP-based ACL/MAC-based ACL</li> <li>Support based on MAC Address, IP Address, Ethertype, Protocol Type, VLAN ID, DSCP, 802.1p Priority</li> <li>Support up to 256 ACLs</li> </ul>
Link Aggregation	<ul style="list-style-type: none"> <li>Support IEEE 802.3ad LACP/static link aggregation</li> </ul>
Security	<ul style="list-style-type: none"> <li>Support AAA,TACACS+ Radius Authentication</li> <li>Support 802.1X authentication, MAC authentication, MAC bypass authentication</li> <li>Support to prevent DOS, ARP attack function, ICMP anti attack</li> <li>Support binding of IP, MAC, port and VLAN</li> <li>Support MAC authentication</li> <li>Support MAC address filtering</li> <li>Support Broadcast/Multicast/Unknown-unicast Storm Control</li> </ul>
Shell	<ul style="list-style-type: none"> <li>Iron shell, Fan less design</li> </ul>
weight	<ul style="list-style-type: none"> <li>2.2 kg (4.85 lb)</li> </ul>
Dimension (W × H × D)	<ul style="list-style-type: none"> <li>440 mm × 44 mm × 210 mm</li> </ul>

Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 75°C (-40°F to 167°F)
Operating Humidity	10% to 90% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	AC: 100V–240V, 50/60Hz
Power Consumption in Idle	20 W

## Physical Interface

Front panel:



Back panel:



## Available Model

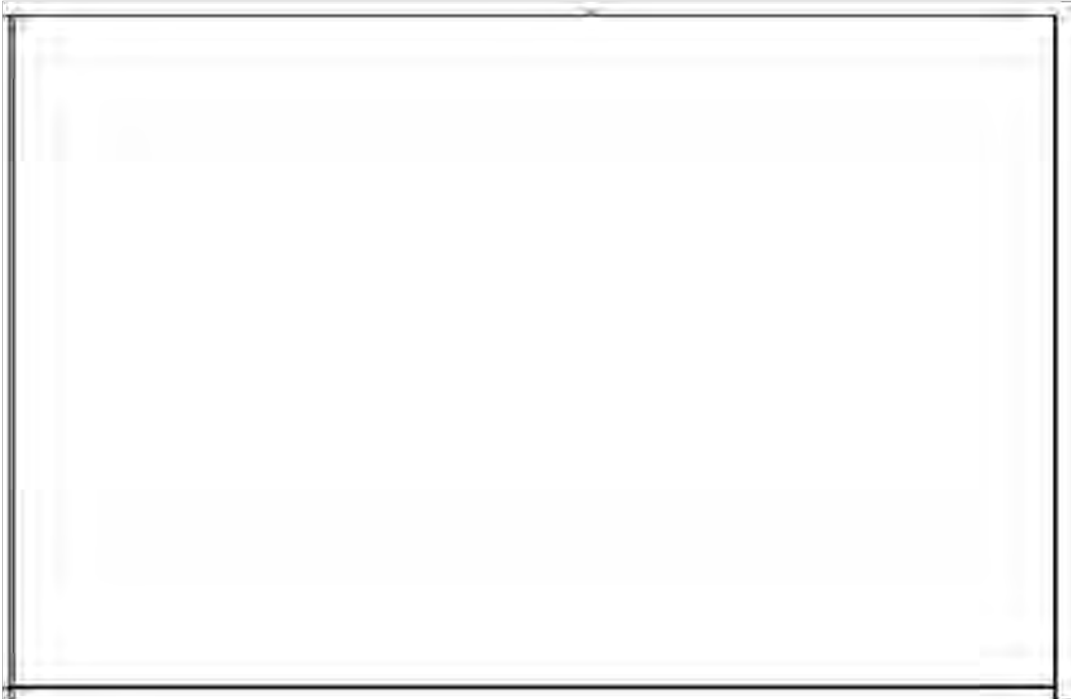
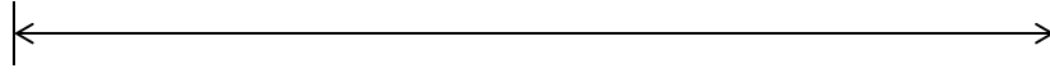
DS-3E2528(B)

Model	Specifications
DS-3E2528(B)	24 port Gigabit power + 4 port Gigabit optical, quasi layer 3 Ethernet switch (1 console control serial port, 24 Gigabit electrical ports, 4 Gigabit SFP optical ports); Standard power supply (AC220V, no fan, 1U height, 19 inch rack mounted)

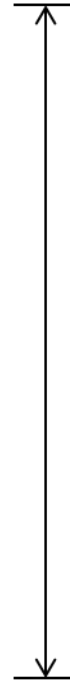
## Dimension (Unit: mm)



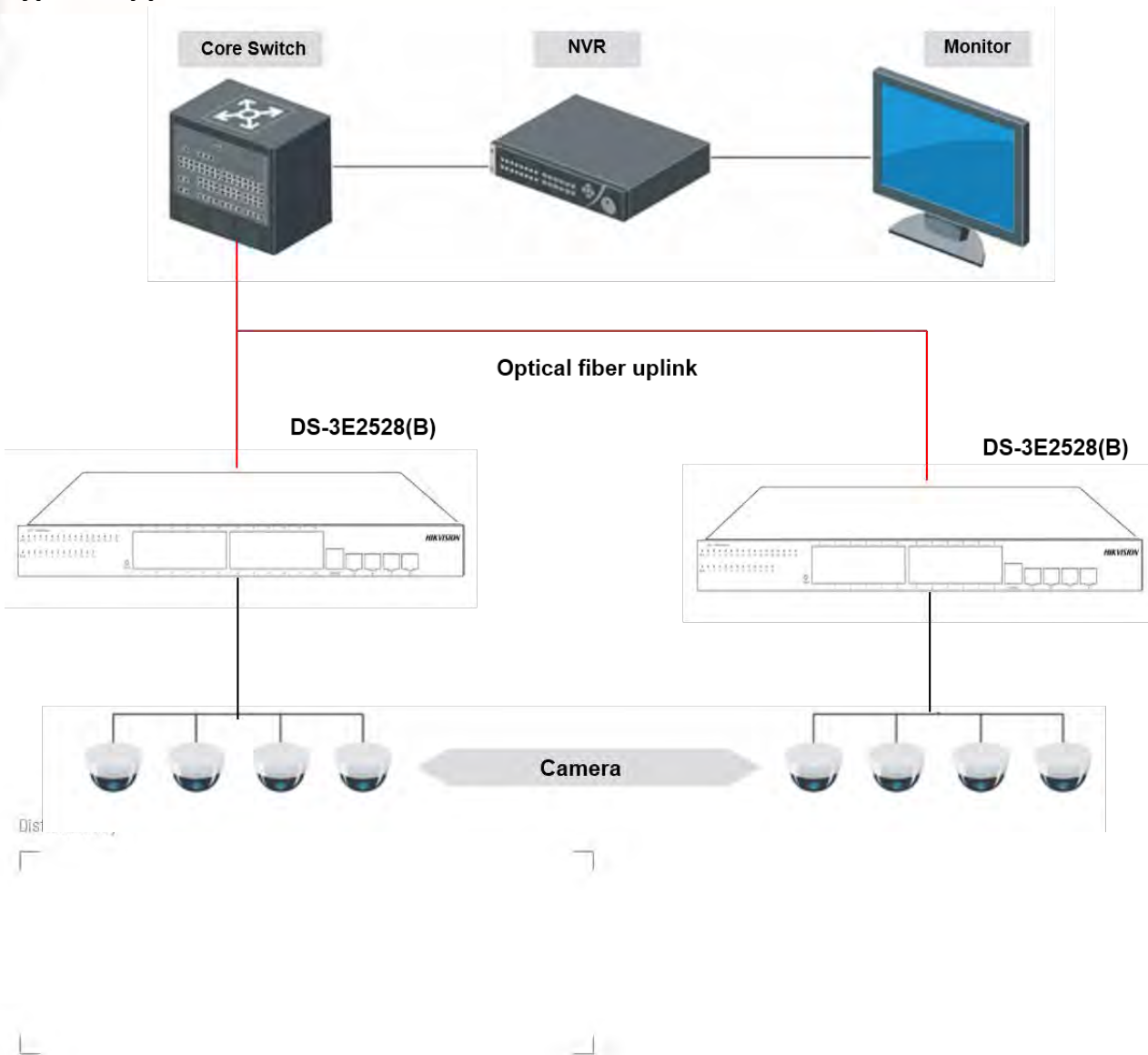
440



210



## Typical Application



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