DS-3E3730 10 Gigabit Ethernet switch

DS-3E3730 switch is a new generation converged 10 Gigabit switch launched by our company for the next generation IP Metropolitan area network, large park network and enterprise network. Based on the new generation of high-performance hardware and software platform with independent intellectual property rights, DS-3E3730 further integrates IPv6, MPLS VPN, network security and other network services, and combines a variety of high reliability technologies such as uninterrupted upgrade, uninterrupted forwarding, elegant restart and redundancy protection on the basis of providing high-performance L2 / L3 / L4 line speed switching services, So as to ensure the uninterrupted communication ability of the network for the longest time

Feature and Function

· 24 Gigabit electrical ports and 6 10 Gigabit SFP+ optical ports

· Support static routing, policy routing, rip, OSPF,BGP,MPLS 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.

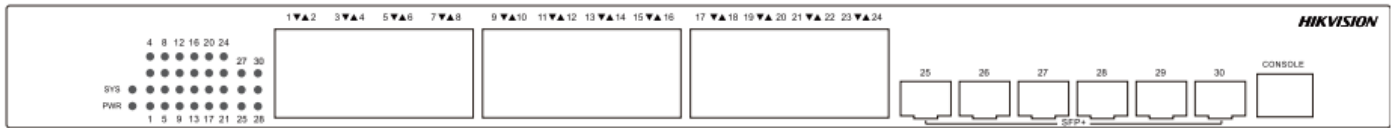· SNMPv1/v2c/v3 for different levels of network management.

Specification

Model		DS-3E3730
Network Parameters	Port Number	24 Gigabit electrical ports and 6 10 Gigabit SFP+ optical port
	Forwarding Mode	Store-and-forward switching
	MAC Address Table	32 K
	Switching Capacity	598 Gbps
	Packet Forwarding Rate	222 Mpps

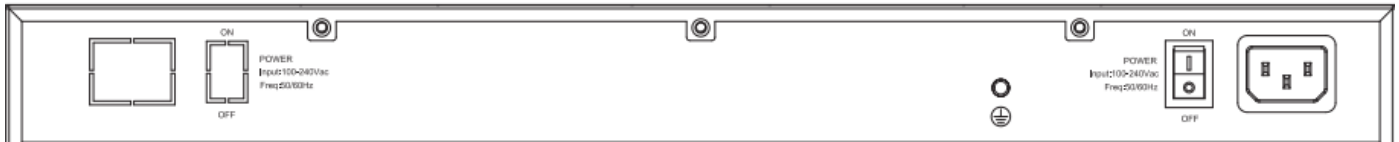|		
Software Function	Device Maintenance	Support Console, Telnet, SSH Support web, http,https Support FTP, TFTP, Xmodem, SFTP Support SNMP V1/V2c/V3 Support RMON Support NTP
	Reliability	Support STP/RSTP/MSTP Support EAPS/MEAPS Support MRD-Ring Support ERPS Support VRRP Support BFD for OSPF Support BFD for BGP
	VLAN	Support IEEE 802.1Q (VLAN), 4096 VLAN IDs Support GVRP Support QinQ Support VLAN based on MAC/ protocol /IP subnet / policy / port Support Private VLAN Support 1:1 and N:1 VLAN Mapping functions
	Port Mirroring	Support local and remote port mirroring Support N:4 port mirroring Support flow mirroring Support MAC mirroring
	Routing	Support Static routing, RIP, OSPF,BGP,MPLS Support IPv4/IPv6 ECMP Support VRRP, VRRP v3 Support IPv4/IPv6 Policy-based routing Support IPv4/IPv6 Routing policy Support IPv4/IPv6 dual stack Support IPv6 static routing, RIPng, OSPFv3
	QoS	Support Diff-Serv QoS Support 802.1p/DSCP priority mapping Support Queue scheduling including SP, WRR, WFQ, SP+WRR, SP+WFQ Support Priority marking and remarking Support Traffic shaping Support Congestion avoidance, Tail-Drop and WRED Support 802.1p, TOS, DSCP, and EXP priority mapping Support Port/Flow- based Rate Limiting
	Multicast	Support IGMP v1/v2/v3 Snooping Support IGMP V1/V2/V3 Support MLD Snooping v1/v2 Support MLD v1/v2
	ACL	Support IP-based ACL/MAC-based ACL Support based on MAC Address, IP Address, Ethertype, Protocol Type, VLAN ID, DSCP, 802.1p Priority Support up to 256 ACLs
	Link Aggregation	Support IEEE 802.3ad LACP/static link aggregation

Security		Support AAA,TACACS+ Radius Authentication Support 802.1X authentication, MAC authentication, MAC bypass authentication Support to prevent DOS, ARP attack function, ICMP anti attack Support binding of IP, MAC, port and VLAN Support MAC authentication Support MAC address filtering Support Broadcast/Multicast/Unknown-unicast Storm Control
Shell		Iron shell, Fan cooling design
weight		3.4 kg (7.50 lb)
Dimension (W × H × D)		440 mm × 44 mm × 280 mm
Operating Temperature		0°C to 50°C (32°F to 122°F)
Storage Temperature		-20°C to 70°C (-4°F to 158°F)
Operating Humidity		10% to 90% (no condensation)
Relative Humidity		5% to 95% (no condensation)
Power Supply		AC：100V-240V，50/60Hz Hot plug dual power supply optional
Power Consumption in Idle		75 W

Physical Interface

Front panel:

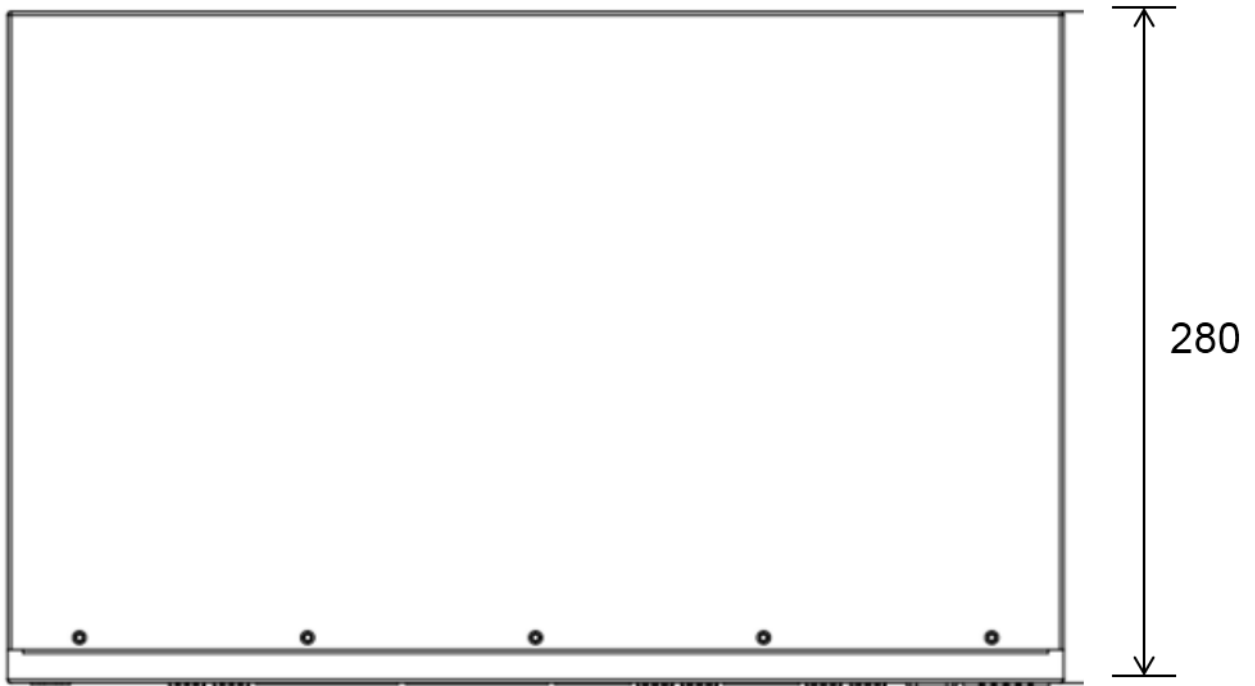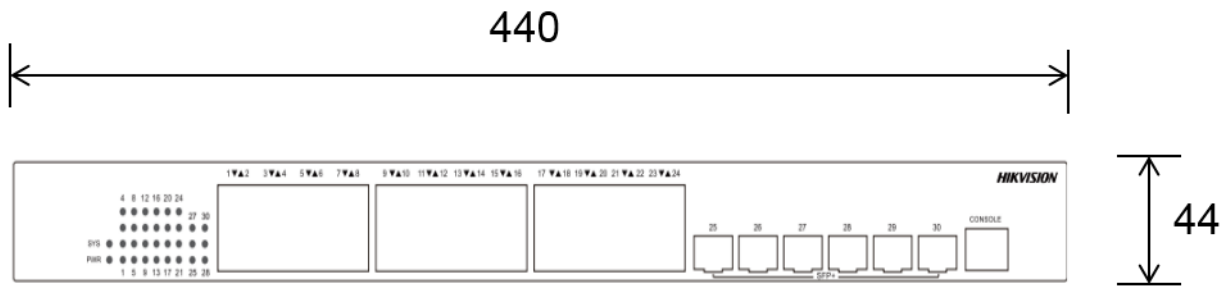Back panel:

Available Model

DS-3E3730

Model	Specifications
DS-3E3730	24 port Gigabit power + 6 port 10 Gigabit optical, Ethernet routing switch (1 RJ45 console serial port, 24 Gigabit power ports, 6 10 Gigabit / Gigabit adaptive SFP + optical ports); A hot pluggable power supply AC220V is standard, which can expand dual power supply; Fan cooling, 1U height, standard 19 inch rack mount)

Dimension (Unit: mm)

Typical Application

Core Switch
DS-3E3730

NVR

Monitor

Optical fiber uplink

Switch

Switch

Camera