



# NS4750-24S-4T-4X-V2

## Enterprise-class 24-port SFP Gigabit Switch with 10G uplink

### Overview

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This enterprise-class network switch is engineered to meet the needs for a distributed fiber optic network system.

When used with IFS™ SFP Media Convertors it provides a flexible and economical distributed IP CCTV solution.

### Management in TruVision® Navigator

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The NS4750-24S-4T-4X-V2 simplifies management of your IP video system by providing integration into TruVision Navigator 8.0 and above.

The NS4750-24S-4T-4X-V2 can provide information to TruVision Navigator such as ONVIF tables of cameras, bandwidth usage per port and POE power control making installation and management IP Video systems simpler and effortless.

### Static Routing

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The NS4750-24S-4T-4X-V2 supports static routing tables allowing for complex system architectures. Traffic can be routed across different domains or between different VPN. This allows flexible network design and greater control of network traffic, essential for modern IP CCTV systems.

### Flexible 10Gbps Ethernet Trunking Solution

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10G Ethernet is a big leap in the evolution of Ethernet. Each of the SFP+ slot in the NS4750-24S-4T-4X-V2 supports Dual-Speed, 10GBase-SR/LR or 1000Base-SX/LX.

The administrator now can flexibly choose the suitable SFP/SFP+ transceiver according to the transmission distance or the transmission speed required to extend the network efficiently.

With its 4-port, 10G Ethernet link capability, the NS4750-24S-4T-4X-V2 provides both broad bandwidth and powerful processing capacity.



### Dettagli

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- 24 SFP Slots Gigabit Ethernet
- Supported in TruVision Navigator 8 - Discover devices, monitor port utilisation, control PoE power
- 4 shared RJ45 10/100/1000 ports
- 4 SFP+ slots for 10G Uplinks - compatible with S4x Series SFP+
- Support for Static Routing
- Up to 128Gbps non-blocking switch fabric
- 32 Megabits shared data buffer
- 16K MAC address table
- Full Multicast Support for IP Video - up to 255 multicast groups
- VLAN Support - up to 256 VLANs groups
- Advanced Security
- MAC Filtering and Source IP/MAC address port-binding
- Quality of Service (QoS)

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### Specifiche tecniche

#### Generale

Anello veloce	Si (ERPS)
Controllo della tempesta	Broadcast, Multicast, Unicast
Sicurezza	802.1x, ACL, RADIUS, Source MAC / IP address binding, TACACS+
Snooping DHCP	Si
Uscita guasto relè	Si

#### Categoria

Categoria	Entreprice
Gestione	Gestito (routing statico L3)
Gestito	Si (Layer 3)
PoE	No

#### Porte fisiche

No. di porte	4
Tipo porta	Gig
Porta fibra	24 SFP/4 SFP+
Supporto SFPs	S20/S25 series, S30/S35 series, S40 series
Velocità SFP	24 x 100/1000 e 4 x 10G

#### Cambia prestazioni

Cambia tessuto	128 Gbps
Velocità effettiva (Mpps)	95
Tavolo Mac	16 K
Supporto Jumbo frame	10 K

#### Funzioni di livello 2

Interfaccia di gestione	Console, Web, Telnet, SNMP 1,2,3, SSH/SSL secure access
Snooping IGMP	255 Group, Snooping v1, v2, v3
Query IGMP	Si
VLAN, QoS	255, yes
Lista controllo accessi	256 entries

#### Elettrico

Alimentazione ridondante	Si
Tipo di alimentatore	100 a 240 VCA
Valore di alimentazione	36 to 60VDC (optional secondary input)
Consumo di energia	58 W

#### Fisico

Dimensioni fisiche	430 x 300 x 45 mm
Peso netto	4.490 kg
Colore	Nero
Tipo di montaggio	Rack 19"
Impilabile	No

#### Ambientale

Temperatura operativa	0 to +50°C -10 to +60°C with external PSU
Temperatura di immagazzinamento	-20 to +70°C
Umidità relativa	0 to 95% (non-condensing)
Ambiente	Interno

#### Switch performance

Switch Architecture	Store-and-Forward
Switch Fabric	128 Gbps non-blocking
Switch Throughput	95 Mpps @ 64 Bytes
Mac Address Table	16 K entries
Share Data Buffer	32 Megabits
Jumbo Frame Size	10 Kbytes
Flow Control	IEEE 802.3x Pause Frame for Full-Duplex, Back pressure for Half-Duplex

#### Layer 2 Functions

Management Interface	Console, Telnet, Web Browser, SNMPv1, v2 and v3
Port Configuration	Port enable/disable; Auto-negotiation; 10/100/1000Mbps full and half duplex mode selection; Flow Control enable/disable; Bandwidth control on each port
Port Status	Display each port's: speed duplex mode, link status, flow control status, Auto negotiation status, trunk status
Port Mirroring	TX/RX/Both; Many to 1 monitoring
Bandwidth Control	Ingress/Egress rate control: configure per port
VLAN	802.1Q Tagged-based VLAN, up to 255 VLAN groups out of 4094 VLAN IDs
Link Aggregation	IEEE 802.3ad LACP / Static Trunk; Supports 14 groups of 8-Port trunks
Quality of Service (QoS)	Traffic classification based, Strict priority and WRR, 4-level priority for switching - Port Number, - 802.1p priority, - DS/TOS field in IP Packet
Multicasting/IGMP	IGMP (v1/v2/v3) Snooping, up to 255 multicast Groups; IGMP Querier mode support, up to 255 multicast Groups; IGMP Querier mode support
Access Control List	IP-Based ACL/MAC-Based ACL 256 entries
SNMP MIBs (1)	RFC-1213 MIB-II, IF-MIB, RFC-1493 Bridge MIB RFC-1643 Ethernet MIB RFC-2863 Interface MIB RFC-2665 Ether-Like MIB RFC-2737 Entity MIB
SNMP MIBs (2)	RFC-2618 RADIUS Client MIB RFC-2933 IGMP-STD-MIB RFC3411 SNMP-Frameworks-MIB, IEEE802.1X PAE, LLDP, MAU-MIB, Power over Ethernet-MIB

#### LED Indicators & Switch

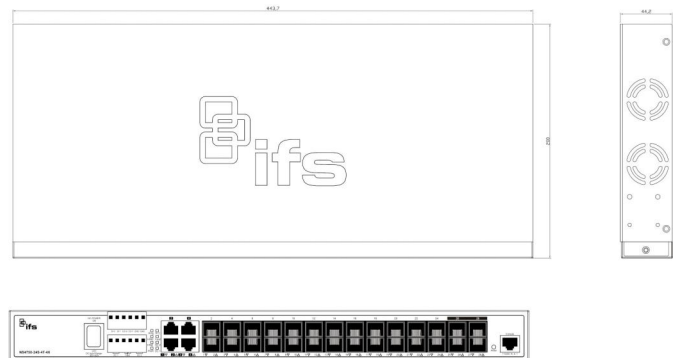
Power	On/Green
10/100/1000Base-TX Ports	10/100/1000 Mbps LNK/ACT (Green) PoE In-Use (Orange)
10/100/1000Base-T/SFP Ports	1000 Mbps (Orange), LNK/ACT (Green)
FAN(s)	FAN1 (Green), FAN2 (Green), FAN3 (Green)
Reset Button	System reboot: push and hold < 5 sec.; Factory Default: push and hold > 5 sec.

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## Standards Compliance

Regulatory Standards	FCC Part 15 Class A, CE, UL, cUL
IEEE Standards (1)	IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX/100BASE-FX/BX/LX; IEEE 802.3z Gigabit SX/BX/LX/LHX/ZX; IEEE 802.3ab Gigabit 1000T; IEEE 802.3x Flow Control and Back pressure; IEEE 802.3ad Port trunk with LACP; IEEE 802.1d Spanning tree protocol
IEEE Standards (2)	IEEE 802.1w Rapid spanning tree protocol; IEEE 802.1p Class of service; IEEE 802.1Q VLAN Tagging; IEEE 802.1x Port Authentication Network Control; IEEE 802.1ab LLDP



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