DATASHEET

High Power Unmanaged Ethernet Switches

VSW4, VSW8, VSW16 & VSW24

Buy/view this product



VSW4



VSW8



VSW16



VSW24

Vista's VSW range of PoE switches offer the installer an effective solution for creating simple but powerful network designs. These compact switches allow connection to either 4, 8, 16 or 24 local cameras via PoE ports.

These switches can run in one of 2-modes*: in 100m mode they operate as regular Ethernet UTP ports with a maximum 90m transmission distance and 10/100Mbps autosensing.

With the flick of a switch you can change to 250m mode, PoE port speeds are reduced to 10Mbps and inter-communication between individual PoE camera ports is disabled**, while the transmission and PoE reach of camera PoE ports extends to 250m.***

Each switch has dual uplink ports of either 100Mbps or 1,000Mbps maximum negotiation speeds, of which one can be utilised to connect to a local VMS server or NVR, such as Vista's VIP series of NDAA compliant recorders - where there is a need to increase PoE port density. The remaining uplink port can be utilised for connection to either a viewing client PC or main network.

With all but the 4-port switches providing 1,000Mbps UTP uplinks, and the 24-port providing 1,000Mbps fibre capability via SFP expansion ports, Vista's range of PoE unmanaged switches provide a valuable edge and access switch function to any existing core network and switch.

**Applies to 4/8 & 16 port versions only.*
***PoE port to uplink port, and therefore NVR\VMS\Core Switch communication etc continues to operate as normal.*
****Refer to Technical Specification section over the page.*

KEY FEATURES

- **4, 8, 16 and 24 port Unmanaged Switches**
- **Dual uplinks**
- **PoE IEEE 802.3af/at to 30W**
- **CCTV Ethernet and PoE Extend mode to 250m***
- **SFP Fibre Expansion (24-port only)**
- **Surge Protection to 4K**

not applicable on 24 port

To learn more about Vista products please visit www.norbain.com/brands/vista

EMAIL
info@vista-cctv.com

WEB
vista-cctv.com

TEL
+44 (0) 118 912 5000

THIS PRODUCT QUALIFIES FOR vista 3 YEAR ADVANCE REPLACEMENT

TECHNICAL SPECIFICATION

Model	VSW4	VSW8	VSW16	VSW24
ETHERNET PORTS				
Ports	4 × 10/100Mbps PoE ports (RJ45) 2 × 100Mbps uplink ports	8 × 10/100Mbps PoE ports (RJ45) 2 × 1000Mbps uplink ports	16 × 10/100Mbps PoE ports (RJ45) 2 × 1000Mbps uplink ports	24 × 10/100Mbps PoE ports (RJ45) 2 × 1000Mbps uplink ports 2 × 1000Mbps SFP ports
Ports | Speed @ Distance in 100M mode	1-6 | 10/100Mbps@100M	1-8 | 10/100Mbps@100M 9-10: 1000Mbps@100M	1-16 | 10/100Mbps@100M 17-18 | 1000Mbps @100M	1-24 | 10/100Mbps@100M 25-26 | 1000Mbps @100M 27-28 | 1000Mbps@100M
Ports | Speed @ Distance in 250M mode	1-4 | 10Mbps@250m 5-6 | 10/100Mbps@90m	1-8 | 10Mbps@250m 9-10 | 1000Mbps@90m	1-8 | 10/100Mbps@100M 9-16 | 10Mbps@250M 17-18 | 1000Mbps@100M	n/a
Transmission cable	Ports 1-24 Cat5e/6 standard Ethernet cable, Ports 25-26 Fibre according to SFP fitted			
Standards	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3x		IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-T IEEE802.3x
PoE Standard	IEEE802.3af/at			
PoE Max Port Power | Switch Budget	30W | 65W	30W | 120W	30W | 200W	30W | 400W
LED INDICATORS				
Power Indicator	PWR (Green)			
Network Indicator	LINK (Yellow)			
PoE Working indicator	PoE (Green)			
Functional switch indicator	EXTEND (Green)			n/a
SWITCH				
Non-block Switching Capacity	1.6Gbps	11.8Gbps	14.8Gbps	14.8Gbps
Packet Forwarding Rate @64byte	0.89Mpps	4.17Mpps	5.36Mpps	6.55Mpps
Packet Forwarding Cache	768K	2M	4M	4M
MAC Table Entries	1k	2k	16K	16K
GENERAL				
Working Condition	Temperature: -20°C ~ 55°C / Humidity 10% ~ 90%RH (non-condensing)			
Environment	IP30			
Power Supply (internal)	100 ~ 240VAC 50/60Hz 1A	100 ~ 240VAC 50/60Hz 2.2A	100 ~ 240VAC 50/60Hz 2.5A	100 ~ 240VAC 50/60Hz 5.0A
Surge Protection	4KV 8/20us			
Format	Desktop/Wall Mounted			
Dimensions | Weight	42.5mm (W) × 115mm (D) × 40mm (H)|0.5Kg	195mm (W) × 130mm (D) × 40mm (H)|0.7kg	270.4mm (W) × 181mm (D) × 44mm (H)|1.5Kg	440mm (W) × 225mm (D) × 44mm (H)|4.5KG

MODELS IN THIS RANGE

0908420 VSW4
4 port, 2 uplink PoE switch

0908430 VSW8
8 port, 2 uplink PoE switch

0908440 VSW16
16 port, 2 uplink PoE switch

0908450 VSW24
24 port, 2 uplink PoE switch

OTHER PRODUCTS

0913720 VistaPC-i5-G12-3Mon-KBM ClientPC
Windows Client i5 PC with 0TB storage, 3-monitor support

0913730 VistaPC-i5-G12-3Mon-KBM-2TB Srv/Client
Windows Client i5 PC with 2TB storage, 3-monitor support

0338110 VFS118WHDA 18.5"
Monitor TVI/AHD/CVBS/HDMI & VGA

0773530 VFS121WHDA 21"
Monitor TVI/AHD/CVBS/HDMI & VGA

0480540 CAT5e/UTP/305/PVC/GREY
305m Cat5e cable drum

0480560 CAT5e/UTP/305/LSZH/VIOLET
305m cable drum

0480580 CAT5e/UTP/305/DUCT/BLACK
305m cable drum

0480610 CAT6/UTP/305/PVC/GREY
305m cable drum

0480620 CAT6/UTP/305/LSZH/VIOLET
305m cable drum

0480630 CAT6/UTP/305/DUCT/BLACK
305m cable drum

0853330 VCP-RJ45-Cat5-10
RJ45 Plugs x10

0853350 VCP-RJ45-Cat6-10
RJ45 Plugs x10

0853320 VSCT-RJ45
RJ45 crimp tool

0853380 VFCP-RJ45-Cat5-10
RJ45 FAST plug x10

0853400 VFCP-RJ45-Cat6-10
RJ45 FAST plug x10

0853370 VFCT-RJ45 FAST
RJ45 FAST crimp tool

0872170 DIAMOND4K
All in one CCTV\IP\Cable Test Monitor

No liability will be accepted by Vista for any errors or omissions in this information. Subject to change without notice.
Version: V1.0 date: 2023-04