IXIA VISION® 5288

DATA SHEET

HIGH-DENSITY 100GE/40GE/10GE NETWORK MONITORING SWITCH

Advancements in virtualization and server technologies have made 10GE commonplace in large enterprise data centers, and the transition to 100GE or 40GE is not far behind. The Ixia Vision® 5288 provides up to 64 10GE ports, 16 40GE ports, or 4 100GE ports in a compact 2U form factor. The Ixia Vision 5288 aggregates data from multiple visibility points in a network and ensures the delivery of critical network traffic to the essential monitoring tools.
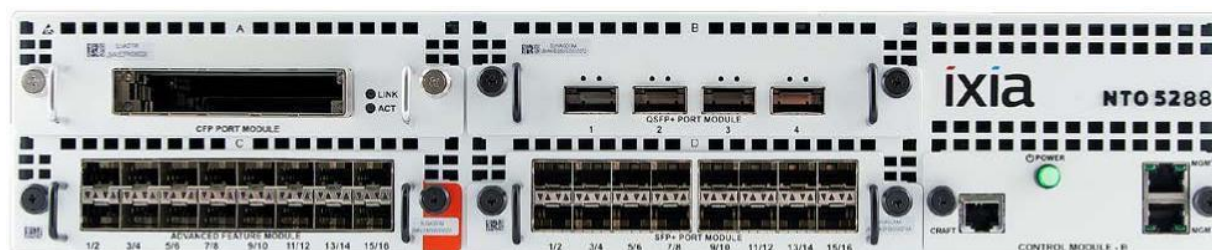
The Ixia Vision 5288 helps large enterprises monitor an increasing number of 1GE, 10GE, 40GE, and 100GE ports with their existing monitoring tools. By enhancing the performance of the network and security monitoring tools, companies can improve network performance, increase operation team productivity and reduce the risk of network outages.

The Ixia Vision 5288 is designed for high availability with redundant management ports, power supplies and fan trays. It's an ideal solution for enterprise data centers with increased bandwidth requirements due to higher processor density, virtualization and SANs.

HIGHLIGHTS

Port Flexibility

- Up to 64 ports available
- Up to 64 1GE Copper (SFP)
- Up to 64 1GE (SFP)
- Up to 64 10GE (SFP+)
- Up to 16 40GE (QSFP+)
- Up to 4 100GE (CFP)
- Ingress/egress port programmability
- Software port licensing
- Timestamping (local, NTP, GPS)*
- Burst Protection*
- Port tagging
- Monitoring tool port load balancing (up to 32 ports)
- Protocol stripping (GTP, MPLS, VLAN, VNTAG)
- Packet trimming
- Packet deduplication

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915-6503-01-4061 Rev G

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KEY FEATURES:

- Redundant, hot-swappable power supply/fan modules
- -48V DC or 120-240VAC power input
- Front to back air flow
- Redundant management ports
- Craft interface for out-of-band
- 1GE, 10GE, 40GE, 100GE support
- Non-blocking architecture; 640Gbps total bandwidth
- Full line-rate across all ports with filtering enabled
- Port reconfiguration with no performance impact
- Double-Your-Ports for Advanced (AFM) Ports

PRODUCT CAPABILITIES

NORTH AMERICAN SAFETY

UL 60950-1, 2nd Edition

CSA C22.2 No. 60950-1, 2nd Edition

EUROPEAN SAFETY

EN60950-1

INTERNATIONAL SAFETY

CB Scheme : IEC 60950-1:2005 First Edition

EMI/EMC

NORTH AMERICAN EMC

FCC part 15, Class A (USA) ICES-003 Issue 4, Class A (Canada) European EMC

EN55022 2006 Class A (Emissions) EN55024 1998 w/A2 (Immunity) EN61000-3- 2:2006(Harmonics) EN61000-3-3 1995 w/A2(Flicker)

IEC/INTERNATIONAL EMC

IEC/EN 61000-4-2:2001 Electrostatic Discharge Immunity

IEC/EN 61000-4-3:2006 Radiated Immunity

IEC/EN 61000-4-4:2004 Transient/Burst Immunity

EN61000-3-3 1995 w/A2(Flicker) IEC/EN 61000-4-5:2005 Surge Immunity

IEC/EN 61000-4-6:2007 Conducted Radio Frequency Immunity

IEC/EN 61000-4-11:2004 Voltage Dips, Interruptions and Variations

RoHS Compliant

INCLUDED ACCESSORIES

- AC power cord
- USB flash drive with activation license key
- Front rack mount kit

SPECIFICATIONS

GENERAL SPECIFICATIONS	
Filtering	**Management**
- Centralized filter templates - Custom dynamic filtering - Overlapping filter engine - Filter parameters (Layer 2-4) - MAC source/destination addresses - VLAN and Ethertypes - IP protocol and DSCP/TOS - Source/destination IP (IPv4/IPv6) - UDP, TCP ports	- SNMP v1, v2, v3 support - Local, RADIUS, and TACACS+ support (members and groups) - Granular access control features - Event logging - Syslog - IT automation control (RESTful API) - Dual IP-based management ports (RJ45 10/100/1000)

OPERATING SPECIFICATIONS	
Temperature	**Humidity**
- Operating: 5°C to 40°C - Short-term*: -5°C to 55°C (*not to exceed 96 consecutive hours) - Short-term* with fan failure: -5°C to 40°C (*not to exceed 96 consecutive hours)	- Operating: 5% to 85%, (non-condensing) - Short-term*: 5% to 90% (non-condensing, *not to exceed 96 hours)

PHYSICAL SPECIFICATIONS

Size and Weight

- 2U high rack mountable enclosure
- Dimensions: 17.5W x 19.125L x 3.5H (inches)
- Weight: 35.0 lb (16 kg)

Power for Ixia Vision 5288 Option (DC)

- Operating input voltage: 36 to 75 VDC
- Maximum operating input current: 11.46A @ 48 VDC, 550W
- Nominal current: 5.41A @ 48 VDC, 260W
- Heat/power dissipation for system with all 64 ports on the front panel at 100% traffic load: Nominally 260W/887 BTU/hour

Power for Ixia Vision 5288 Option (AC)

- Input AC voltage: 90-240 VAC RMS auto-switching
- Frequency: 50-60Hz
- Nominal power requirement: 2.36A @ 110 VAC, 260W
- Maximum power requirement: 5A @ 110 VAC, 550W
- Heat/power dissipation for system with all 64 ports on the front panel at 100% traffic load: nominally 260W/887 BTU/hour

ORDERING INFORMATION

PRODUCT NAME	DESCRIPTION
SYS-5288-CORE	Ixia Vision 5288 core system with no ports or licenses
SYS-5288-GIG-ALL	Ixia Vision 5288 base system - 60 1G and 4 10G ports enabled
SYS-5288-24-10G	Ixia Vision 5288 base system - with 24 10G ports enabled
SYS-5288-ALL-10G	Ixia Vision 5288 base system - with all 64 10G ports enabled
SYS-5288-32-160GAFM	Ixia Vision 5288 with 32 1/10G ports enabled - with 160Gbps PacketStack (AFM) capability
SYS-5288-48-160GAFM	Ixia Vision 5288 with 48 1/10G ports enabled - with 160Gbps PacketStack (AFM) capability
SYS-5288-64-160GAFM	Ixia Vision 5288 with 64 1/10G ports enabled - with 160Gbps PacketStack (AFM) capability

PRODUCT NAME	DESCRIPTION
SYS-5288-STD-G	Ixia Vision 5288 base system - with GPS- base system

OPTIONS, UPGRADES & ACCESSORIES

PRODUCT NAME	DESCRIPTION
MOD-528X-ACMOD	Ixia Vision 5288 & GSC 7433 - AC power module (1)
MOD-528X-DCMOD	Ixia Vision 5288 & GSC 7433 - DC power module (1)
MOD-528X-FANMOD	Ixia Vision 5288 - fan module unit (1)
MOD-5288-CTRL-G	Ixia Vision 5288 GPS management module
ACC-5200-RBRACKET- 19	Ixia Vision 5200 & GSC 7433 series chassis accessory - 4-Post 19" Bracket Extender
ACC-5200-RBRACKET- 23	Ixia Vision 5200 & GSC 7433 series chassis accessory - 4-Post 23" Bracket Extender

1G OPTICAL LICENSES

PRODUCT NAME	DESCRIPTION
LIC-P5200-G1D	Ixia Vision 5200 series port license - 1G SFP/CU Port - QTY (1)
LIC-P5200-G4D	Ixia Vision 5200 series port license - 1G SFP/CU Ports - QTY (4)
LIC-P5200-G8D	Ixia Vision 5200 series port license - 1G SFP/CU ports - QTY (8)
LIC-P5200-G15D	Ixia Vision 5200 series port license - 1G SFP/CU ports - QTY (15)

COLD SPARE LICENSES

PRODUCT NAME	DESCRIPTION
LIC-P5200-X1D-UP	Ixia Vision 5200 series port license upgrade - 1G SFP port to 10G/1G SFP+ port - QTY (1)
LIC-5288-SPARE	Ixia Vision 5200 series cold spare system port license - 528x/529x/526x models

TRANSCEIVERS

PRODUCT NAME	DESCRIPTION
MM850	Ixia Vision 1G SFP optical transceiver SX 850nm
SM1310	Ixia Vision 1G SFP optical transceiver - LX 1310nm
CGI	Ixia Vision 1G SFP copper transceiver
MM850-PLUS	Ixia Vision 10G SFP+ optical transceiver - SR 850nm
SM1310-PLUS	Ixia Vision 10G SFP+ optical transceiver – LR 1310nm (10km)
XMM850-E	Ixia Vision 10G XFP Ethernet only optical transceiver - SR 850nm
XSM1310	Ixia Vision 10G XFP optical transceiver - LR 1310nm
QMM850-PLUS	Ixia Vision 40G QSFP+ optical transceiver 850nm (150 meters)
LRM1310-PLUS	Ixia Vision LRM transceiver
CMM850	Ixia Vision 100G CFP optical transceiver - 100GBASE-SR10 850nm
CSM1310	Ixia Vision 100G CFP optical transceiver - 100GBASE-LR4 1310nm

ADVANCED FEATURE MODULE-16 (AFM16)

PRODUCT NAME	DESCRIPTION
MOD-P5200-X8D-ADV	Ixia Vision 5200 series - 8-port Module to deliver PacketStack (AFM) capabilities
MOD-P5200-X16D-ADV	Ixia Vision 5200 series - 16-port Module to deliver PacketStack (AFM) capabilities
LIC-P5200-X8D-ADV-UP	Ixia Vision 5200 series license – PacketStack capabilities (AFM) upgrade from 8 to 16 ports