

CARRIER-GRADE, HIGH-AVAILABILITY NETWORK MONITORING SWITCH

Telecommunication and cable service providers face many challenges monitoring and managing their operational networks. Ixia Vision 5273 is a carrier-grade, NEBS Level 3 certified solution that helps service providers achieve optimal network performance while meeting the increased bandwidth needs required by growing mobile and video content.

Ixia Vision 5273 aggregates data from multiple network access points in a network and ensures the delivery of critical network traffic to the essential monitoring tools for complete network visibility. By enhancing the power of the existing network monitoring tools, network performance improves, team productivity increases and potential risk of network outages decreases.

In addition, the Ixia Vision 5273 can be used in enterprise data centers where high-availability is essential.



Vision 5273

HIGHLIGHTS

High-Availability Features

- NEBS Level 3 Certified Product (without exceptions)
- Redundant, Hot-Swappable Power Supply / Fan Modules
- 48V DC or 120240V AC Power Input
- Front to Back Air Flow
- Local and Remote Alarm Relay Support
- Redundant Management Ports
- Craft Interface for Emergency Out-of-Band Reset

Performance

- 10MB to 10GE Ethernet support
- Non-blocking architecture; 244Gbps total bandwidth
- Full line rate across all ports with filtering enabled
- Port reconfiguration with no performance impact

SPECIFICATIONS

GENERAL SPECIFICATIONS	
<p>Port Flexibility</p> <ul style="list-style-type: none"> • Up to 28 ports available • Ports 1-20: 1GE (SFP) or 10GE (SFP+) • Ports 21-24: Up to 1GE copper (RJ45) • Modular Ports 1-4: 1GE SFP+, 10GE CX-4, 10GE XFP or 10GE SFP+ • Ingress/Egress port programmability • Software port licensing • Timestamping (local and NTP)* • Burst Protection* • Port tagging • Monitoring tool port load balancing <p>Management</p> <ul style="list-style-type: none"> • SNMP v1, v2, v3 support • Local, RADIUS, and TACACS+ support (members and groups) • Granular access control features • Event monitoring and logging • Syslog • IT Automation control with web-based API 	<p>Included Accessories</p> <ul style="list-style-type: none"> • AC power cord • USB flash drive with activation license key • Rack Mount Kit <p>Filtering</p> <ul style="list-style-type: none"> • Centralized filter templates • Custom dynamic filtering • Overlapping filter engine • Filter parameters (Layer 24) • MAC Source/Destination addresses • VLAN and Ethertypes • IP protocol and DSCP/TOS • Source/Destination IP (IPv4/IPv6) • UDP, TCP ports • Protocol stripping (GTP, MPLS, VLAN, VNTAG)* <p>* Requires optional Advanced Features Module</p>

PHYSICAL SPECIFICATIONS

<p>Size and Weight</p> <ul style="list-style-type: none"> • 2U high rack mountable enclosure • Dimensions: 17.3W x 18.3L x 3.35H (inches) • Weight: 19.0lb (8.6 kg) <p>Power DC</p> <ul style="list-style-type: none"> • Operating input voltage: 36 to 75 VDC • Maximum operating input current: 13A @ 36 VDC, 397W • Nominal current: 3.6A @ 48V, 174W • Heat/Power Dissipation: 594BTU/hr (typical), 1356 BTU/hr (max) 	<p>Power AC</p> <ul style="list-style-type: none"> • Input AC Voltage: 85240 VAC RMS auto-switching • Frequency: 5060Hz • Nominal power requirement: 2A @ 120 VAC, 230W • Maximum power requirement: 5A @ 85 VAC, 432W • Heat/Power Dissipation: 786 BTU/hr (typical) 1475 BTU/hr (max)
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OPERATING SPECIFICATIONS

<p>Temperature</p> <ul style="list-style-type: none"> • Operating: 5C to 40C • Short-term*: 5C to 55C (*not to exceed 96 consecutive hours) • Short-term* with fan failure: 5C to 40C (*not to exceed 96 consecutive hours) <p>Regulatory/Safety</p> <p>North American Safety</p> <ul style="list-style-type: none"> • UL 60950-1, 2nd Edition • CSA C22.2 No. 60950-1, 2nd Edition • GR-1089-CORE, Issue 5, August 2009 <p>European Safety</p> <ul style="list-style-type: none"> • EN60950-1 • International Safety • CB Scheme: IEC 60950-1:2005 First Edition 	<p>Environmental</p> <p>North American EMC</p> <ul style="list-style-type: none"> • FCC part 15, Class A (USA) • ICES-003 Issue 4, Class A (Canada) • GR-1089-CORE, Issue 5, August 2009 <p>European EMC</p> <ul style="list-style-type: none"> • EN55022: 2006 Class A (Emissions) • EN55024: 1998 w/A2 (Immunity) • EN61000-3-2:2006 (Harmonics) • EN61000-3-3:1995 w/A2 (Flicker) • ETSI EN 300 386:2005-4 <p>IEC/International EMC</p> <ul style="list-style-type: none"> • 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
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OPERATING SPECIFICATIONS	
<p>Mean Time Between Failures Prediction</p> <ul style="list-style-type: none"> • 106,256 hours <p>Environmental</p> <ul style="list-style-type: none"> • EN 300 019-2-3 (Operational Tests, Class T3.2) • EN 300 019-2-2 (Transportation Tests, Class T2.3) • EN 300 019-2-1 (Storage Tests, Class T1.2) • GR-63-CORE, Issue 3, March 2006 • RoHS compliant 	<ul style="list-style-type: none"> • 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 <p>Humidity</p> <ul style="list-style-type: none"> • Operating: 5% to 85%, (non-condensing) • Short-term*: 5% to 90% (non-condensing, *not to exceed 96 hours)

ORDERING INFORMATION

Ordering Information	
Complete Systems	
SYS-5273-STD	Ixia Vision 5273 – base system with four 1GE SFP and one 10GE SFP+ ports enabled
SYS-5273-ONE	Ixia Vision 5273 – base system with five 1GE SFP ports enabled
SYS-5273-TEN	Ixia Vision 5273 – base system with five 10GE SFP+ ports enabled
SYS-5273-ALL	Ixia Vision 5273 – base system with all ports enabled: 20 1GE/10GE SFP/SFP+ ports, four 10/100/1000 RJ-45 ports and two SFP/SFP+ modules
SYS-5273-SPARE	Ixia Spare Vision 5273 – cold spare system with no ports enabled. Includes short-term license to be installed to activate unit when required.
SYS-5273-GIG	Ixia GIG Vision 5273 -- 1GE base system with five 1GE SFP ports enabled
SYS-5273-GIG-SPARE	Ixia GIG Spare Vision 5273 – cold spare system with no ports enabled. Includes short-term license to be installed to activate unit when required.
Options, Upgrades & Accessories	
M5273-FAN	Ixia Vision 5273 chassis accessory - additional fan module

Ordering Information	
ACC-5273-FLTR	Ixia Vision 5273 chassis accessory - 1 year supply of air filters
M5273-ACPS	Ixia Vision 5273 chassis accessory - (1) AC power Module
M5273-DCPS	Ixia Vision 5273 chassis accessory - (1) DC power Module
ACC-5200-BE19	Ixia Vision 5200/GSC 7433 series chassis accessory - 4-Post 19" Bracket Extender
ACC-5200-BE23	Ixia Vision 5200/7433 series chassis accessory - 4-Post 23" Bracket Extender
LIC-5273-UPGRD	Upgrades licensed and unlicensed 1GE SFP ports to 1GE SFP+ ports. This provides customers the ability to enable 10GE SFP+ port capability if they purchase 10GE/1GE SFP+ licenses. NOTE: 10GE SFP+ licenses are NOT included.
1 Gig Copper Licenses	
LIC-5200-1RJ45	Ixia Vision 5200 series port license - 1G Copper, RJ-45 port – 10/100/1000 Base-T, QTY (1)
LIC-5200-4RJ45	Ixia Vision 5200 series port license - 1G Copper, RJ-45 ports – 10/100/1000 Base-T, QTY (4)
1 Gig Optical Licenses	
LIC-5200-1PG	Ixia Vision 5200 series port license - 1G SFP/CU Port - QTY (1)
LIC-5200-4PG	Ixia Vision 5200 series port license - 1G SFP/CU Ports - QTY (4)
LIC-5200-8PG	Ixia Vision 5200 series port license - 1G SFP/CU ports - QTY (8)
LIC-5200-15PG	Ixia Vision 5200 series port license - 1G SFP/CU ports - QTY (15)
10G Optical Licenses	
LIC-5200-1PX-U	Ixia Vision 5200 series port license - 10G SFP+ port QTY (1)
LIC-5200-4PX	Ixia Vision 5200 series port license - 10G SFP+ ports QTY (4)
LIC-5200-8PX	Ixia Vision 5200 series port license - 10G SFP+ ports – QTY (8)
LIC-5200-15PX	Ixia Vision 5200 series port license - 10G SFP+ ports – QTY (15)
1GE to 10GE Upgrade License	

Ordering Information	
LIC-5200-1PX-U	Ixia Vision 5200 series port license upgrade - 1G SFP port to 10G/1G SFP+ port - QTY (1)
1GE Module Cards	
M5200-2PG	Ixia Vision 5200 series - 1G Optical SFP Ethernet ports - QTY (2) - for 5204/5236/5273 models ONLY
LIC-5200-2PX-U	Ixia Vision 5200 series port license - upgrade
10GE Module Cards	
MOD-P5200-X2C	10GE Copper CX4 Ethernet Ports – quantity two. 10m distance. Transceivers integrated with port.
MOD-P5200-X2O-X – 10G	10GE Optical XFP Ethernet Ports – quantity two. Ports can be set as XFP-SR, and XFP-LR with transceivers
M5200-2PX	Ixia Vision 5200 series - 1G/10G SFP/SFP+ Ethernet Ports - QTY (2) - for 5204/5236/5273 models
Advanced Feature Module-2 (AFM2) – up to two modules per unit	
M5200-PS-2PX	Ixia Vision 5236/5273 - Module to deliver PacketStack (AFM) capabilities.

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