IXIA VISION® 5236

ENTERPRISE-CLASS NETWORK MONITORING SWITCH

NEED TO FILTER TRAFFIC TO OVERBURDENED NETWORK AND SECURITY TOOLS

Enabling efficient and timely security and network monitoring is critical for any fiber network. It is the only way for enterprises, government agencies, and service providers to know what is happening on their network and who is accessing it. But the exploding volume of traffic on most networks today— combined with the need to optimize major investments in numerous monitoring devices and security tools—requires efficiency measures: filtering the right traffic to the right tool, and ensuring there are no network "blind spots" that could contribute to oversight of security threats or prolonged trouble isolation.

FLEXIBLE SUPPORT FOR COMPLETE VISIBILITY

Ixia's Vision 5236 is the perfect solution for achieving high-density visibility in all parts of a fiber network. The Vision 5236 network packet broker (NPB) can accommodate expanding networks with its modular design. Two slots allow the addition of up to four additional 10GE ports using the 5200 Series expansion modules. Modules are available for standard ports or as Advanced Feature Modules (AFMs) to support hardware-based advanced packet processing.

Vision 5236's ability to support 10Mbps 10GE Ethernet makes it a flexible option and provides high-density performance with 10GE visibility for network monitoring tools in all parts of a fiber network. The 5236 offers up to 24 SFP/SFP+, four 10/100/1000 copper Ethernet ports, and the industry's most advanced, easy-to-use, drag-and-drop control panel.

HIGHLIGHTS

- 10MB to 10GE Ethernet support
- Non-blocking architecture; 244Gbps total bandwidth
- Up to 28 ports available
- SNMP v1, v2, v3 support
- Centralized filter templates
- Custom dynamic filtering
ZERO-loss packet processing

Vision 5236

KEY FEATURES

PORT FLEXIBILITY

- Up to 28 ports available
- Ports 1-20: 1GE (SFP) or 10GE (SFP+)
- Ports 21-24: Up to 1GE copper
- Modular Ports 1-4: 1GE SFP or 10GE SFP+
- ZERO-loss advanced packet processing (Requires optional AFM)

- Port tagging
- Monitoring tool port load-balancing
- Filtering
- Advanced Packet Processing
- Regulatory/Safety
- RoHS Compliant

FILTERING

- 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)

ADVANCED PACKET PROCESSING (REQUIRES OPTIONAL AFM)

- ZERO-loss packet processing
- Use any combination of supported features without performance impact
- Supported Features:
  - De-duplication
  - Packet trimming
  - Protocol stripping (GTP, MPLS, VLAN, VNTAG)
  - Gigabit extended burst protection
  - Timestamping

UDP, TCP Ports

REGULATORY / SAFETY

NORTH AMERICAN SAFETY

UL 60950-1, 2nd Edition

CSA C22.2 No. 60950-1, 2nd Edition EMI/EMC

NORTH AMERICAN EMC

FCC part 15, Class A (USA)

ICES-003 Issue 4, Class A (Canada)

EUROPEAN EMC

EN55022 2003 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 61000-4-3:2002 Radiated Immunity

IEC/EN 61000-4-4:2001 Transient/Burst Immunity

EN61000-3-3 1995 w/A2 (Flicker)

IEC/EN 61000-4-5:2001 Surge Immunity

IEC/EN 61000-4-6:2001 Conducted Radio Frequency Immunity

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

VISIT IXIACOM.COM FOR MORE DETAILS ON THE VISION PRODUCT LINE

SPECIFICATIONS

GENERAL SPECIFICATIONS	
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	**Management** - SNMP v1, v2, v3 support - TACACS+, RADIUS, and Local support (members and groups) - Granular access control features - Event logging - Syslog - IT Automation control (RESTful API) - IP based management port (RJ45 10/100/1000)

PHYSICAL SPECIFICATIONS	
Ixia Vision 5236 Size and Weight 1U high 19 rack mountable enclosure - Dimensions: 17.5W x 19L x 1.75H (inches) - Weight: 15.5lb (7 kg) **Included Accessories** - AC power cord - USB flash drive with activation license key - Rack mount kit	**Power for Ixia Vision 5236 Option (AC)** - Input AC Voltage: 90-240 VAC RMS auto-switching - Frequency: 50-60Hz - Nominal power requirement: 1.27A @ 110 VAC, 140W - Maximum power requirement: 3.2A @ 110 VAC, 353W - Heat/Power Dissipation: nominally 140Watts /478 BTU/hour **Power for Ixia Vision 5236 Option (DC)** - Input DC Voltage: 12V DC - Nominal power requirement: 10A @ 12 VDC, 120W - Maximum power requirement: 25A @ 12 VDC, 300W

OPERATING SPECIFICATIONS	
Temperature	**Humidity**
• Operating temperature: 0 to 40 C	• Operating humidity: 10 to 85%, noncondensing • Fans: Automatic temperature-controlled DC fans (right to left airflow)

ORDERING INFORMATION

COMPLETE SYSTEMS

PRODUCT NUMBER	DESCRIPTION
SYS5236-24PX	Ixia Vision 5236 base system - with all 24 10G and 4 Copper ports enabled.
SYS5236PS2X24PX	Ixia Vision 5236 with 24 10G and 4 Copper ports enabled - with 20Gbps of PacketStack (AFM) capability.
SYS5236PS4X24PX	Ixia Vision 5236 with 24 10G and 4 Copper ports enabled - with 40Gbps of PacketStack (AFM) capability.
SYS5236-24PG	Ixia Vision 5236 base system - with all 24 1G and 4 Copper ports enabled.

1GE TO 10GE UPGRADE LICENSE

PRODUCT NUMBER	DESCRIPTION
LIC-5200-1PX-U	Ixia Vision 5200 series port license upgrade - 1G SFP port to 10G/1G SFP+ port - QTY (1)

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