

NETWORK VISIBILITY

NETWORK PACKET BROKER COMPARISON TABLE

FEATURE BRIEF

	Vision xStream 40	Vision Edge 40 (E40)	Vision Edge 100 (E100)	Vision 5236	Vision 5288	Vision ONE	Vision 7300	GSC 7433
KEY VISIBILITY ATTRIBUTES								
Smart Drag and Drop Intuitive GUI		✓	✓	✓	✓	✓	✓	✓
Zero-Packet Loss Architecture	✓	✓	✓	✓	✓	✓	✓	✓
Unlimited Simultaneous Advanced Features		✓	✓	✓	✓	✓	✓	✓
Overlapping Filter Rules Automatically Handled by Visibility Engine		✓	✓	✓	✓	✓	✓	
SYSTEM SPECIFICATIONS								
System Height (RU)	1	1	1	1	2	1	7	2
AC Redundant Power Supply (Hot Swap)	✓	✓	✓	Single	✓	✓	✓	✓
DC Redundant Power Supply (Hot Swap)	✓	✓	✓		✓	✓	✓	✓
SYSTEM CAPACITY								
Maximum Backplane Capacity (Gbps)	640	720	3200	244	640	640	3840	320
Maximum Number of 1Gb Ports	64	48	0	28	64	64	288	0
Maximum Number of 10Gb Ports	64	72	128	24	64	64	384	64

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Maximum Number of 40Gb Ports	16	18	32	0	16	16	96	0
Maximum Number of 100Gb Ports	0	0	32	0	4	0	72	0
DEPLOYMENT OPTIONS								
Supports Inline Deployment	✓					✓		
Simplex (Double Your Ports)	✓	✓			✓	✓	✓	
Fan-In	✓	✓				✓		
Fan-Out	✓	✓	✓			✓	✓	
MANAGEMENT								
Centralized Management through Ixia Fabric Controller Support		✓				✓	✓	
Indigo Pro for OAM&P (systems mgmt.)	✓	✓	✓	✓	✓	✓	✓	✓
RESTful API		✓	✓	✓	✓	✓	✓	✓
Role Based User Accounts	✓	✓	✓	✓	✓	✓	✓	✓
TACACS+, RADIUS Authentication	✓	✓	✓	✓	✓	✓	✓	✓
COMPLIANCE								
High security DoD and FIPS (Federal Information Processing Standard) compliant mode						✓	✓	
NEBS Certified					5293	✓	7303	✓

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NETSTACK								
Filtering (Layer 2, 3, 4) Custom, Dynamic, Eth type, VLAN, IP, Ports, IP Protocol	✓	✓	✓	✓	✓	✓	✓	✓
Self-Maintaining Visibility - Patented Dynamic Filter Compiler to Automatically Resolve Overlapping Filters		✓	✓	✓	✓	✓	✓	
Replication	✓	✓	✓	✓	✓	✓	✓	✓
MPLS/GTP Dynamic Filtering	✓	✓	✓	✓	✓	✓	✓	
VxLAN VNI/Tunnel IP Dynamic Filtering		✓	✓			✓	✓	
IPv6 Support	✓	✓	✓	✓	✓	✓	✓	✓
VLAN Tagging per Port (Source Port Labelling)	✓	✓	✓	✓	✓	✓	✓	✓
VLAN Tagging per Dynamic Filter	✓	✓	✓			✓	✓	
VLAN Un-Tagging per Port	✓	✓	✓	✓	✓	✓	✓	
VLAN Un-Tagging - Conditional		✓	✓			✓	✓	
Load Balancing	✓	✓	✓	✓	✓	✓	✓	
• Standard (3 Tuple & 5 Tuple)	✓	✓	✓	✓	✓	✓	✓	
• Tunneled IP (MPLS Based)	✓		✓		✓	✓	✓	
• Maximum Ports per LB Group	20	Unlimited	Unlimited	8	64	64	64	32

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Aggregation	✓	✓	✓	✓	✓	✓	✓	✓
• 1:1	✓	✓	✓	✓	✓	✓	✓	✓
• 1:Many	✓	✓	✓	✓	✓	✓	✓	✓
• Many: 1	✓	✓	✓	✓	✓	✓	✓	✓
• Many:Many	✓	✓	✓	✓	✓	✓	✓	✓
PACKETSTACK								
Remove Duplicate Packets - Deduplication				✓	✓	✓	✓	
NetFlow Generation								
Header Stripping	✓			✓	✓	✓	✓	
• VLAN	✓			✓	✓	✓	✓	
• VxLAN - Standard UDP Port #				✓	✓	✓	✓	
• VxLAN - Cisco ACI UDP Port #						✓	✓	
• MPLS	✓			✓	✓	✓	✓	
• Cisco Fabric Path				✓	✓	✓	✓	
• PPPoE					✓	✓	✓	
• RSPAN / ERSPAN					✓	✓	✓	

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• Custom Header Stripping					✓	✓	✓	
Packet Trimming	✓			✓	✓	✓	✓	✓
Data Masking					✓	✓	✓	
Tunneling					✓	✓	✓	
Burst Protection (1Gbps only)				✓	✓	✓	✓	
Timestamping	✓			✓	✓	✓	✓	✓
• NTP	✓			✓	✓	✓	✓	✓
• PTP	✓					✓	✓	
• GPS					5293			

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SECURESTACK								
Active SSL						✓		
SSL Decryption						✓	✓	
Data Masking Plus						✓	✓	
APPSTACK								
Application Identification based on Application Signature, Bandwidth, Session, Geolocation, Dynamic Pattern or Port						✓	✓	
Real-time Visualization of Application Data						✓	✓	
Packet Capture	✓					✓	✓	
Automatic application signature updates via Application and Threat Intelligence (ATI) Subscription						✓	✓	
Geolocation & tagging						✓	✓	
Optional RegEx Filtering						✓	✓	
NetFlow / IxFlow Generation						✓	✓	

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MOBILESTACK								
GTP Load-balancing							✓	✓
GTP Session Correlation								✓
Subscriber sampling								✓
Subscriber filtering								✓
Device filtering								✓
Location-aware filtering								✓
EPC parameter filtering								✓
3GPP Support								✓
4G LTE, 3G and 2G support								✓
Max Number of GTP Sessions								54 Million

	Vision xStream 40	Vision ONE
INLINE CAPABILITIES		
Inline Configuration on Web Console	✓	✓
Load balancing with spare	✓	✓
Serial service chaining	✓	✓
Customizable HeartBeat	✓	✓
Link Fault Detection (LFD)	✓	✓
Negative HeartBeat	✓	✓
Tool mandatory vs. optional (fail-closed vs. fail-open)	✓	✓
Multiple network links tool sharing (VLAN port tag)	✓	✓
Multiple network links tool sharing (MAC address)	✓	
VLAN Translation during filtering (VSET) for inline	✓	✓
VLAN Insertion during filtering (VSET) for out of band	✓	
HA Active-Active	✓	✓
HA Active-Standby	✓	
Support inline and out-of-band simultaneously	✓	✓

	Vision xStream 40	Vision ONE
Asymmetric Load balancing (Client/Host Affinity)	✓	✓
Multi-Path (Multiple criteria for different data paths)	Advanced	Basic, Adv. Planned
Load Balance based on port speeds or weight	✓	
Failure threshold of load balance group	Configurable	Set to 0
Support for tool with 2 or more ports (SSL decrypter)	✓	✓

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