COMCAST TECHNOLOGY SOLUTIONS | BLUVECTOR®

BluVector™

Advanced threat detection Gen4 systems

Technical appliance specifications

BluVector™ Advanced Threat Detection (ATD) scales to meet the demands, needs, or requirements of your organization. BluVector hardware appliances are available in multiple speeds to accommodate a variety of on-premises architectures. BluVector Virtual Sensors are available for hybrid and private cloud-based infrastructure.

Technical

Model	XCM	X05	X10	X40
Form factor	1U	1U	1U	4U
Number of servers	1	1	1	4
Memory	192GB	384GB	512GB	2048GB
Storage	OS: 240GB (RAID1)	OS: 240GB (RAID1)	OS: 240GB (RAID1)	OS: 960GB (RAID1)
	Storage: 1.92TB (RAID1)	Storage: 1.92TB (RAID1)	Storage: 7.68TB (RAID1)	Storage: 30.72TB (RAID1)

Included accessories

- ReadyRails sliding rails
- Power cord, C13 to C14, PDU-style, 12 AMP, 6.5 ft (2m)
- Power supply modules are field replaceable and hot swappable

Mounting

- Mounts in an EIA-standard 19-inch equipment cabinet, up to 39 inches deep.
- Two side quick-rail assemblies included.

Environmental

Model	10G	20G	40G
	1U	2U	4U
Configuration weight	• 10G: 46.7 lbs • 20G: 93.4 lbs • 40G: 186.8 lbs		

Dimensions	• Height
	  • 10G: 1.68 in
	  • 20G: 3.36 in
	  • 40G: 6.72 in
	• Width: 18.97 in
	• Depth: 32.39 in (with bezel)		

Server	19-inch rack mountable		
Wattage	1100 W x 2		
Heat dissipation	4100 BTU/hr (full load for the power supply unit only)		
Current	• 12A (AC) • 27A (DC)		
Input voltage	100-240VAC / 48-60VDC		
Management ports*	(2) SFP+ Ports 10G Base-SR/SW 850nm		
Monitoring ports	(2) SFP+ Ports 10G Base-SR/SW 850nm		
Operating temperatures	Temperature ranges for altitudes <= 2,953 ft (<= 900m): 50°F to 95°F (10°C to 35°C)		
Operating noise level	47dB typical, 63dB max		

*Can also utilize Copper SFPs if the switch supports only a copper connection

Algorithms

FIPS 140-2 compliance	Cryptographic modules: • OpenSSL, version 5.0 or 6.0, certificate #3016 • Kernel Crypto API, version 6.0, certificate #3292 • OpenSSH Server, version 5.0 or 6.0, certificate #3063 • NSS, version 6.0, certificate #3270 • GnuTLS, version 5.0, certificate #3012 All cryptographic modules included in the product are based off Red Hat Enterprise Linux (RHEL) implementation. Compliance check on implementation in BluVector product performed by Acumen Security (a NIST CMVP-approved testing lab).	Other algorithms: • RSA (key wrapping) • Key establishment methodology provides between 112 and 256 bits of encryption strength • EC Diffie-Hellman key agreement • Key establishment methodology provides between 112 and 256 bits of encryption strength

BluVector Virtual Sensor

Throughput	250 Mbps	8 virtual CPU cores	32GB RAM	500GB RAM
Requirements	ESXi 6.0 or later	Intel CPUs	2 network interfaces	

About BluVector, part of Comcast Technology Solutions

As a leader in advanced threat detection, BluVector is empowering security teams to get answers about real threats, allowing businesses and governments to operate with greater confidence that data and systems are protected.

BluVector MLE

BluVector MLE is a patented supervised Machine Learning Engine that was developed within the defense and intelligence community to accurately detect zero-day and polymorphic malware in real time. Unlike unsupervised machine learning, which is leveraged by most security vendors today, BluVector MLE algorithms were pre-trained to immediately identify malicious content embedded within common file formats like Office documents, archives, executables, .pdf, and system updates. The result: 99.1%+ detection accuracy upon installation.

BluVector SCE

BluVector SCE is the security market's first analytic specifically designed to detect fileless malware as it traverses the network. By emulating how the malware will behave when it is executed, the Speculative Code Execution engine determines, at line speed, what an input can do if executed and to what extent these behaviors might initiate a security breach. By covering all potential execution chains and focusing on malicious capacity rather than malicious behavior, the analytic technology vastly reduces the number of execution environments and the quantity of analytic results that must be investigated.

Find out more

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