## Benefits

- Gain intelligent and optimized network packet visibility and access
- Stay compliant by ensuring "clean" searches for authorized lawful interception (LI), fraud prevention, and other ultra sensitive parameters
- Build unlimited and dynamic monitoring coverage
- Stay close to the source at Line-rate keeping data fresh and pro actionable
- Set automatic responses to changing network equipment and bandwidth conditions
- Reduce capital and operational costs
- Plug and play installation
- Centrally, remotely, and/or locally manage network intelligence and access
- Low latency throughput to monitor output
- Network to monitor tool media conversion
- Shield monitoring devices from intruders
- Complete data access at full line-rates

## Features

- Supports 1G and 10G access at full line rates
- Filtering: hardware-based, user-independent on OSI layers 2-7 (includes custom offset, ingress and egress, and overlapping filters)
- Session-based/flow-aware load balancing
- Simultaneously match, track, and forward on up to 524,287 unique IP addresses, 65,535 unique e-mail and IM addresses, or 1,500 unique object/pattern/signature rules
- Perl Compatible Regular Expression (PCRE) rule definition
- vStack+™ Network Intelligence Optimization System building (stacking)
- Selective Aggregation (any-to-any port mapping)
- Ports configurable (I/O) for network access or monitor output
- Supports passive Inline and SPAN access
- Local, remote management: API, CLI, and GUI (HTTP/ HTTPS, Telnet/SSH, SNMPv1-3)
- AAA security (RADIUS, TACACS+)
- Multi-user access with defined privileges, unique screen views, and management accessibility restrictions
- Policy-based event triggering and actions
- VLAN tagging
- Hot-swappable dual, redundant, universal power supplies (AC, DC options)

## Network Intelligence Optimization Systems

VSS Monitoring helps you get so much more from your network intelligence infrastructure. Using our Network Intelligence Optimization Systems, you make better use of your analytical tools and security tools, simplify operational complexity and realize a higher ROI from greater cost savings and service quality improvements.

By optimizing the network intelligence tools in your network and data centers, VSS solves a variety of your problems - simplifying the access of analytical tools and security tools to your network, accelerating the time to diagnose performance problems and security incidents, and making sure CAPEX and OPEX costs scale as the network grows.

With our visionary, systems-approach to Network Intelligence Optimization, you get the flexibility of modularity to deploy just what you need and when, the completeness of support across the entire network intelligence universe of analytical tools and security tools, and the assurance of maximum reliability with automated, system-wide fault tolerance.

## Product Description

VSS' Finder 10G 2400 allows real-time deep packet filtering based on object, pattern, and signature detection, load balancing, aggregation, and grooming of traffic from 10 Gigabit networks on up to eight of its twenty-four ports. Each model has four fixed 10G Fiber LC ports and 20 SFP+ ports. SFP+ ports are enabled individually by license key. Any SFP+ port can be designated as an input port or an output port. The fixed media ports are factory configured for either Inline or SPAN access. The fiber SPAN version is fully I/O configurable, while the fiber Inline version is fixed where the built-in
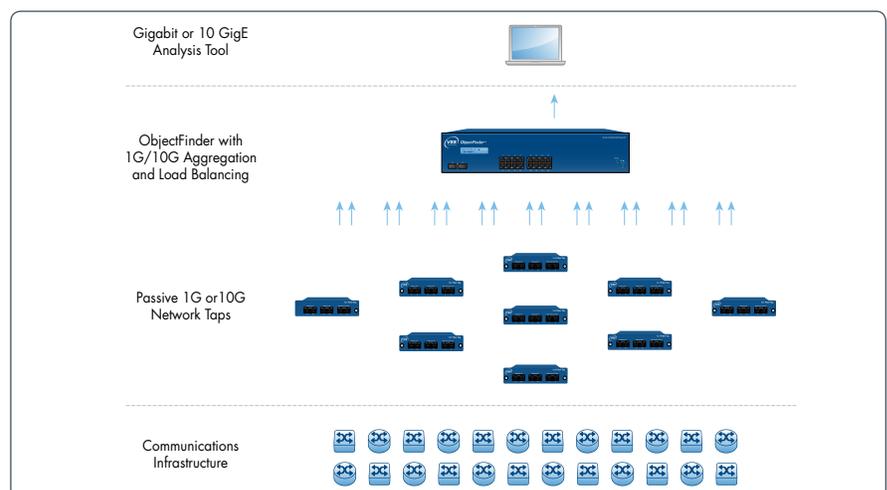
network ports are inputs only and are completely passive. Mixed fiber variations are also available.

Session-based, Flow-aware Load Balancing increases user control of traffic distribution to monitoring tools, increasing output capacity while maintaining session integrity. For example, a 10 GigE network can be captured and automatically balanced across multiple Gigabit monitor tools based on user-defined session criteria. Session-based, Flow-aware Load Balancing can operate in tandem with Hardware-Based Filtering or independently.

VSS' Finder Series is designed primarily for lawful intercept or fraud-sensitive environments, providing security and monitoring personnel with granular control over information pulled from a packet for authorized monitoring.

Finder models provide object detection of up to 524,287 unique IP addresses, up to 65,535 unique e-mail or IM addresses, and/or up to 1,500 unique string/pattern/signature rules providing complete

control over traffic sent to the monitor ports without ever storing any traffic. This is critical, as it prevents extraneous or non-target information from reaching analytics tools, where non-target/unauthorized data may corrupt the useful/legal of the pulled traffic.

All Finder Series products support VSS' proprietary intelligent stacking technology, vStack+™, which enables traffic capture devices to be deployed in a redundant, low-latency mesh for total, dynamic, fault-tolerant visibility.

VSS' Finder Series of products also provide automated even driven monitor output traffic direction and responses (Syslog messages, SNMP traps, light front LED, deactivate ports) with five user-definable trigger event types.

Redundant power supplies allow seamless transitions between power systems and ensure uptime. All VSS managed devices support field software updates for additional features and performance enhancements.

## Technical Specifications

| Unit Model: | Finder 10G 2400 | | |
|---|---|---|---|
| **Mechanical** | | | |
| Fiber Type: | SR | LR | ER |
| Finder Ports: | (x1-8) | (x1-8) | (x1-8) |
| Input/Output Ports: | (x16-23) | (x16-23) | (x16-23) |
| Total Weight: | 26.5 lb (12.1 kg) | | |
| Size: | 17.3"(w) x 22.5"(d) x 3.5"(h) / (441mm x 572 mm x 89mm) 2RU High, Fits standard 19" Rack, 21" Deep | | |
| **Performance** | | | |
| Full line rate ObjectFinder: | up to 80 Gbps | | |
| **Data** | | | |
| Rates: | 1 - 10 Gbps | | |
| Types: | 1000 Base-T, 1000 Base-SX, 1000 Base-LX, 1000 Base-ZX, 10G Base-LR, 10G Base-ER, 10G Base-ZR, 10G Base-SR, 10G Base-CX4, 10G Base-T | | |
| **Power** | | | |
| AC Voltage: 90 to 264 V, 50/60 Hz | 290 W, 3.22 A max. | | |
| DC Voltage: -48 to -72 V | 288 W, 7.20 A max. | | |
| **Propagation Delay** | | | |
| Network to Monitor: | < 13.2µs | | |
| **Environmental** | | | |
| Temperature: | 0 – 55 degrees C (operating); -20 – 100 degrees C (storage) | | |
| Humidity: | 5% – 95%, non-condensing | | |

VSS Monitoring, Inc. is the world's leading innovator of Distributed Traffic Capture Systems™ and network taps, focused on meeting the rapidly evolving requirements of security and performance conscious network professionals. Distributed Traffic Capture Systems herald a new architecture of network monitoring, one which fundamentally improves its capability and price-performance.

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