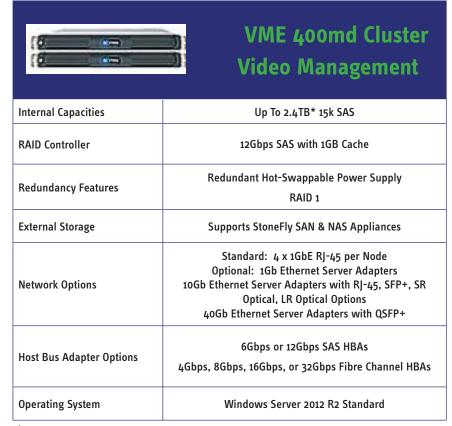# VME 400md Cluster

## PRODUCT CONFIGURATION SHEET

### What is a Video Management Engine (VME)?

The VME 400md Video Management Engine Cluster solution offers a standalone management gateway for high availability, redundancy, scalablity and simple integration with IP storage. The VME 400md incorporates storage management and gateway functionality for complete surveillance management control at your fingertips and is ideal for high volume environments with data intensive applications. With increasing demand for longer archive time, better video resolution and higher frame rates, each high-capacity VME gateway solution combined with StoneFly SAN storage ensures maximized data retention and scalable performance with active-active failover.

### Key Features – Two 1U Cluster Nodes, Each Include:

▸ Video Management Gateway for Unlimited StoneFly SAN Storage
▸ Compatible with Leading Industry Video Management Software
▸ Open Hardware Platform
▸ Two 64-Bit Xeon Processors (8 to 22-Cores Each)
▸ Up to 3TB High Speed Video Cache (32GB Standard)
▸ 12Gbps SAS Ultra High Performance Hardware RAID
▸ Quad-Port 1Gb Ethernet Connectivity
▸ Redundant High-Efficiency 80-PLUS® Platinum Power Supply

## SAN/NAS STORAGE GATEWAY
## PROCESSING:  32 TO 88 CORES
## VIDEO CACHE:  64GB TO 6TB

## VIDEO MANAGEMENT GATEWAY

### SYSTEM SPECIFICATIONS (PER NODE)

| | |
|---|---|
| Form Factor | 1U Rackmount |
| # of Hot Swap Disks | 4 |
| Max Internal Capacity | 2.4TB |
| Hardware RAID Controller | 12Gbps SAS |
| RAID Levels | 0, 1, JBOD |
| RAID Cache | 1GB |
| RAID Cache Protection | Optional Flash Module |
| Processors | Dual Xeon 8 - 22 Cores per CPU |
| High Speed Video Cache | 32GB - 3TB |
| Ethernet Ports | 4 x 1 GbE |
| Power Supply | Redundant 750W |
| USB Ports | 2 x USB 3.0 |
| Video Ports | 1 x VGA |
| Audio Ports | None |
| Serial Ports | No |
| IPMI Management Port | Yes |
| Optical Drive | DVD+/-RW |
| Operating Temperature | 5°C(41°F) - 40°C(104°F) |
| Non-Operating Temperature | -40°C(-40°F) - 60°C(140°F) |
| Dimensions | 17.2"(W) x 29"(D) x 1.7"(H) |



## VME 400md Cluster
## Video Management

| | |
|---|---|
| Internal Capacities | Up To 2.4TB* 15k SAS |
| RAID Controller | 12Gbps SAS with 1GB Cache |
| Redundancy Features | Redundant Hot-Swappable Power Supply<br>RAID 1 |
| External Storage | Supports StoneFly SAN & NAS Appliances |
| Network Options | Standard:  4 x 1GbE RJ-45 per Node<br>Optional:  1Gb Ethernet Server Adapters<br>10Gb Ethernet Server Adapters with RJ-45, SFP+, SR Optical, LR Optical Options<br>40Gb Ethernet Server Adapters with QSFP+ |
| Host Bus Adapter Options | 6Gbps or 12Gbps SAS HBAs<br>4Gbps, 8Gbps, 16Gbps, or 32Gbps Fibre Channel HBAs |
| Operating System | Windows Server 2012 R2 Standard |

\* Depending on RAID Configuration

### RAID CONTROLLER FEATURES:

▸▸ Online Capacity Expansion
▸▸ Online RAID Level Migration
▸▸ Auto-Resume after Loss of Power During Rebuild
▸▸ Single Controller Multipathing
▸▸ Configurable Stripe Size up to 1MB
▸▸ Load Balancing
▸▸ Consistency Check for Background Data Integrity
▸▸ Patrol Read for Media Scanning and Repairing
▸▸ Global & Dedicated Hot Spare w/Automatic Rebuild
▸▸ Inband SES & Sideband SGPIO Enclosure Management
▸▸ S.M.A.R.T. Support
▸▸ Storage Management Utility



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