

# XVAULT ST3000 STORAGE APPLIANCE

Easy to Use Expandable Storage Appliance for Video Surveillance

## FLEXIBLE AND SCALABLE

The xVault ST3000 is a centralized storage solution intended for multiple surveillance server deployments. The ST3000 can be used as primary recording storage or as an archiving location. Simple management makes the ST3000 easy to deploy and maintain, and the flexibility to add JBODs means you can expand the storage footprint to meet growing camera or archiving needs.

## KEY FEATURES

- Compared to other storage solutions setup and maintenance is simpler and more intuitive, allowing you to complete your projects faster and spend less on support time
- Ability to add ST3000EX JBODs means you can easily add large amounts of storage expansion to support camera recording
- The ST3000 provides multiple network ports increasing bandwidth and allowing for support of multiple xNVRs

- Simple setup and management makes the ST3000 easy to deploy and support
- Optimize recording and archiving performance
- Flexible and scalable to accommodate expansion for storage and bandwidth

## ARCHIVING OPTIONS

- The ST3000 can support the archiving features of any 3rd party VMS
- Integrators can use the ST3000 as a standards based (iscsi) target for xNVRs holding the primary video or 3rd party servers
- For additional storage up to four (4) ST3000EX (JBODSs) can be attached for 576TB of raw storage



# XVAULT ST3000

P/N: ST3000

## SYSTEM

<b>Operating System</b>	xVOS
<b>Client Operating System</b>	Windows Server 2012/2008, Windows 10, 8/7 VMware*, Citrix, Linux, Solaris
<b>Network Protocols</b>	FCoE, iIPv4, iSCSI, SMB, SMB2, CIFS, NFS v 2 / v3
<b>iSCSI Volume Security</b>	CHAP, Mapping/Masking
<b>SAS v2 6g</b>	Yes (configurable for expansion or host connection with or without mapping and masking)
<b>Fibre Channel</b>	Optional 8Gb/s and 16 Gb/s <sup>1</sup> (supports masking)
<b>Infiniband</b>	Optional <sup>1</sup> FDR and QDR
<b>Bootable</b>	iSCSI, SAS, and Fibre Channel
<b>Local Replication</b>	Standard
<b>Maximum iSCSI Sessions</b>	512
<b>Maximum Mounted Volumes</b>	128
<b>Volume RAID Set Crossover</b>	Standard
<b>Snapshots</b>	Standard
<b>Local &amp; Remote Replication</b>	Standard
<b>Block Level Deduplication</b>	Option
<b>Drive Level Encryption</b>	Option
<b>Thin Provisioning</b>	Option
<b>Backup to Cloud</b>	Option
<b>Management</b>	Web GUI

## MECHANICAL

<b>Form Factor</b>	4U
<b>Network Interfaces</b>	Five 1Gbe Ports
<b>SAS 6g</b>	3 × External Mini-SAS, 4 × SFF-8088 Connector
<b>Optional 10Gbe Support<sup>1</sup></b>	Dual SFP+, Dual RJ45 Cat6a
<b>Optional F/C Host Ports<sup>1</sup></b>	8Gb/s or 16Gb/s <sup>1</sup> SFP + Fibre Optic with Mapping and Masking
<b>Optional FCoE Host Ports</b>	1GbE or 10GbE PHY
<b>Optional Infiniband Host Ports<sup>1</sup></b>	Dual QDR or FDR external connections
<b>Maximum Internal Drives</b>	24 × 2.5" or 3.5"
<b>External Expandable</b>	Up to 216 drives; 584 with 6 SAS port option
<b>Drive Compatibility</b>	SAS 3g, SAS 6g, SATA-I, SATA-II, and SATA-III (6g)
<b>RAID Level Support</b>	0, 1, 10, 5, 6, JBOD, RAID 50 and 60 by volumes spanning RAID sets
<b>Total Expanded Raw Capacity</b>	2.8PB
<b>Dimensions (w x h x d)</b>	19 × 7 × 26.7 inches / 483 × 174 × 679 millimeters
<b>Weight</b>	35kg / 77 lbs. with PS & Rails (53.5kg / 118 lbs with drives)
<b>Power</b>	Dual Load Balance Hot Swap, Redundant 975 watts, 80+ efficiency rating
<b>AC Input / VAC Frequency</b>	100VAC - 240VAC / 47-63 Hz
<b>BTU per Hour</b>	3276
<b>Operating / Non-Operating Temp</b>	0°C to 40°C / 0°C to 50°C
<b>Operating / Non-Operating Humidity</b>	5%–90% non-condensing



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<sup>1</sup> Only one option slot for 10Gbe, additional SAS ports, F/C, or Infiniband  
\* Not on HCL

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