Benefits

- Flexible configuration
- Hot stand-by disks
- RAID support
- Multiple arrays configurable with dedicated or global hot spares
- RAID levels supported: 0, 1, 5 and 6
- Easy expansion by: Adding new drives or replacing drives with drives of larger capacity

The System Storage is delivered in dense 12 drive 2U enclosure.

S-VMX System Storage is an external storage component of Teleste video system. The unit is directly attached storage (DAS) matrix featuring high capacity SAS host interfaces and performance optimised NearLine SAS disk drives.
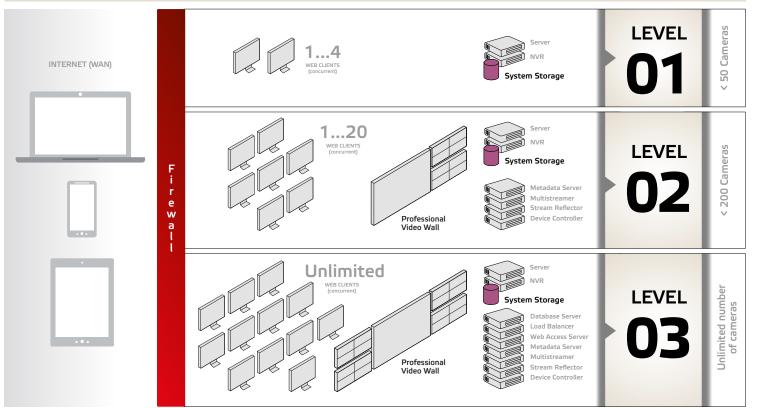
S-VMX System Storage unit can be attached to any VMX system component with storage capabilities and support for a SAS Host Controller.

S-VMX System Storage component is scalable to different storage capacities and RAID levels. It can be equipped with 1TB, 2TB or 3TB hard drives to match the specific storage needs.

On system level there is support for different architectures to either to maximise the storage capacity or the redundancy of the system.

The unit is equipped with redundant fans and power supply. Support for redundant connectivity or sharing between two NVRs can be obtained with the optional second management module.
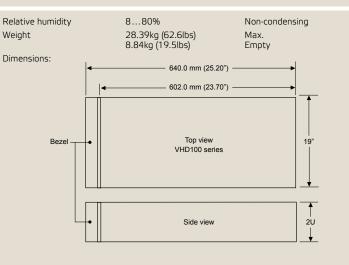
Server | Client | NVR | Video Wall | Device Controller | Metadata Server | Stream Reflector | Multistreamer | Multisite Gateway | Database Server | Web Access | Load Balancer | S-VMX Lite

S-VMX System

INTERNET (WAN)

F i r e w a l l

1...4 WEB CLIENTS (concurrent)	Server / NVR / **System Storage**	**LEVEL 01**	< 50 Cameras
1...20 WEB CLIENTS (concurrent) — **Professional Video Wall**	Server / NVR / **System Storage** — Metadata Server / Multistreamer / Stream Reflector / Device Controller	**LEVEL 02**	< 200 Cameras
Unlimited WEB CLIENTS (concurrent) — **Professional Video Wall**	Server / NVR / **System Storage** — Database Server / Load Balancer / Web Access Server / Metadata Server / Multistreamer / Stream Reflector / Device Controller	**LEVEL 03**	Unlimited number of cameras

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Technical specifications (Typical values unless otherwise stated)

Hardware

Interfaces	1 x SAS 2.0, 6Gbps	Input
	1 x SAS 2.0, 6Gbps	Output
Power supply	2 x 600W	Redundant, hot-swap
Bays	12	
HDD	1TB, 2TB, 3TB	NearLine SAS, SAS
RAID levels	0, 1, 5, 6	

System

Host connectivity	up to 8 units	Non-redundant mode
	up to 4 units	Redundant mode
	1 unit	Split mode

General (*10% of annual operating hours, ** 1% of annual operating hours)

Supply voltage	100...240VAC	Auto-sensing
Power consumption	300W	Max.
Heat dissipation	2313 BTU/hr	Based on PSU max wattage
Operating temperature	+10...+35ºC (50...95ºF) +5...+40ºC (41...104ºF)* -5...+45ºC (23...113ºF)**	
Storage temperature	–40...+65ºC (–40...149ºF)	

Relative humidity	8...80%	Non-condensing
Weight	28.39kg (62.6lbs) 8.84kg (19.5lbs)	Max. Empty
Dimensions:		

640.0 mm (25.20")
602.0 mm (23.70")

Bezel

Top view VHD100 series — 19"

Side view — 2U

Ordering codes (Suite 2.2)

SES121 – 16	S-VMX System Storage	16TB
SES121 – 20	S-VMX System Storage	20TB
SES121 – 24	S-VMX System Storage	24TB
SES131 – 24	S-VMX System Storage	24TB
SES131 – 30	S-VMX System Storage	30TB
SES131 – 36	S-VMX System Storage	36TB

Option:

VHD090	Redundant EMM Kit for VHD100 Series

Hardware services ordering codes

VSD131	VHD100 series HW, on-site diagnosis service for 3 years
VSD141	VHD100 series HW, on-site diagnosis service for 4 years
VSD151	VHD100 series HW, on-site diagnosis service for 5 years
VSD132	VHD100 series HW, data protection service for 3 years
VSD142	VHD100 series HW, data protection service for 4 years
VSD152	VHD100 series HW, data protection service for 5 years
VSD140	VHD100 series HW warranty extension from 3 years to 4 years
VSD150	VHD100 series HW warranty extension from 3 years to 5 years

P4P S-VMX System Storage