

Valerus Shadow Recording Servers with Internal RAID (EMEA)



8-Bay Shadow Server

24-Bay Shadow Server

Shadow Recording Server

- ▶ Recording server with internal RAID for additional storage
- ▶ Raid 5 or 6 configurations
- ▶ Valerus Software pre-loaded (no license included)
- ▶ 8-bay or 24-bay models
- ▶ Intel Xeon E3 Processor
- ▶ Provides up to 158 TB storage
- ▶ Supports systems of up to 100 cameras

The Valerus VMS software is COTS (customer-off-the-shelf) compatible. However, Vicon offers factory certified, pre-installed Servers, which saves valuable installation time and reduces the overall system cost, as well as providing one source for technical support.

Valerus can be deployed in different configuration depending on system size and logistical deployment; configurations include standalone system on a single PC (all-in-one), a centralized site running multiple servers or a central site running multiple remote recording servers (NVRs) and cameras.

Typical RAID Configurations

	Drive Size	RAID 5	RAID 6
8 Bay	2TB	12TB (10.8TB formatted)	10TB (9TB formatted)
	4TB	24TB (21.6TB formatted)	20TB (18TB formatted)
	6TB	36TB (32.4TB formatted)	30TB (27TB formatted)
	8TB	48TB (43.2TB formatted)	40TB (36TB formatted)
24 Bay	2TB	44TB (39.6TB formatted)	42TB (37.8TB formatted)
	4TB	88TB (79.2TB formatted)	84TB (75.6TB formatted)
	6TB	132TB (118.8TB formatted)	126TB (113.4TB formatted)
	8TB	176TB (158.4TB formatted)	168TB (151.2TB formatted)

Valerus Recording Server Specifications†

Recording Server	Mbits	Number Cameras
Shadow NVR	Up to 300	Up to 100

†For exact numbers, use the Valerus storage calculator. Note that both the bandwidth (Mbits) and the number of cameras should be taken in consideration.

Ordering Information†

Model	Mounting Type	HDD Size*	Model Number
8 Bay Shadow Recording Server with internal RAID storage preconfigured with Valerus VMS system	Rack-mount	Up to 8 TB Drives	VLR-SHADOW8
8 Bay Shadow Recording Server preconfigured with Valerus VMS system. (Middle East MOI Compliant)	Rack-mount	up to 8 TB Drives	VLR-SHADOW8-PLUS
24 Bay Shadow Recording Server with internal RAID storage preconfigured with Valerus VMS system	Rack-mount	up to 8 TB Drives	VLR-SHADOW24

†See Price List for hard drive options

VALERUS VMS SHADOW RECORDING SERVER

SPECIFICATIONS

Model	Valerus Shadow Recording Server
PC Requirements	
Operating System:	Microsoft Windows 10, 64-bit
CPU:	Intel Xeon® E3 processor (VLR-SHADOW8-PLUS includes dual CPUs)
Memory:	8 GB
Graphics:	256 MB RAM onboard
Network Interface:	100/1000 Mbps (VLR-SHADOW8-PLUS includes redundant network ports)
Storage (Usable):	Internal RAID 5: 6.5, 13, 17, 38, 57, 95, 114 or 152 TB; Internal RAID 6: 5.7, 11, 14, 34, 51, 85, 102 or 136 TB depending upon model (38, 57, 95, 114, 152/34, 51, 85, 102, 136 TB are 24-bay models). Note that Vicon certifies DVR and NVR drives on a continual basis, therefore capacities will change frequently.
Browser**:	Must have Internet Explorer 11 min. or Firefox (must support Active X)

Electrical	
Input Voltage:	105-240 ±10% VAC, 50/60 Hz
Current:	8-Bay: 8 A @ 115 VAC; 4 A @ 230 VAC. 24-Bay: 15 A @ 115 VAC; 7 A @ 230 VAC
Power Consumption:	8-Bay: 500 W nominal. (VLR-SHADOW8-PLUS includes a redundant power supply) 24-Bay: 1200 W nominal; includes a redundant power supply
Heat Output:	8-Bay: 1750 btu/hour. 24-Bay: 4200 btu/hour.
Power Connector:	Standard 3-conductor female socket

Mechanical	
Application:	Indoor
Mounting:	Standard 19-in. (483 mm) rack mount. 8-Bay: 2U; 24-Bay: 4U
Dimensions: (Refer to Dimensional Drawing)	8-Bay: 3.5 in. (89 mm) H x 19 in. (483 mm) W x 26 in. (660 mm) D, including ears. 24-Bay: 6.9 in. (176 mm) H x 26.8 in. (680 mm) D
Weight:	8-Bay: 46.3 lb (21 kg). 24-Bay: 82.0 lb (37 kg)
Construction:	Steel and plastic

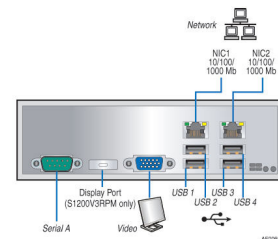
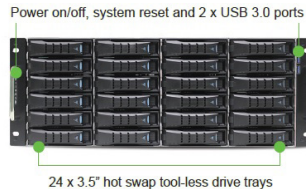
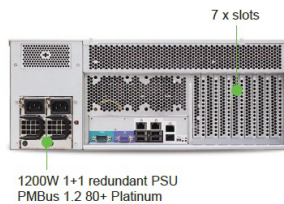
Environmental	
Operating Temperature:	32° to 104°F (0° to 40°C).
Humidity:	Up to 95% relative, non-condensing.

Warranty:	3 years part and labor
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*The LTSB (Long Term Servicing Branch; similar to former Embedded version) version is provided. If a full Windows 10 CB O.S. is required, contact you Vicon Sales Representative.

**Additional browsers will be supported in future releases.

Controls and Connectors



Data Sheet Number: V281-60

Vicon Data Sheet Part Number: 8009-7281-60-00

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Specifications subject to change without notice.

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