

Valerus Application/Web Servers, Recording Servers and Viewing Stations



Desktop Server



Rack-mount Server



Mini Recording Server



Rack-mount Server



Desktop Server



8-Bay Shadow Server



24-Bay Shadow Server

Application/Web Server

- ▶ Acts as the main system server
- ▶ Windows® service that runs Vicon certified hardware
- ▶ Can run on any VMS computer or on dedicated hardware
- ▶ Provides a secure service that manages the VMS main database and provides the tools to centrally manage the system and also runs the system's web server

Recording Server

- ▶ Handles recording video and audio
- ▶ Windows® service that runs on Vicon certified hardware
- ▶ Provides a strong and secure engine communicating, streaming and recording video and audio from cameras and encoders
- ▶ Supports systems of up to 70 cameras (mini version support 35)

Viewing Station

- ▶ Vicon certified hardware optimized to run Valerus in a web browser
- ▶ Provides easy access to the user interface
- ▶ Models available to support either 2 or 4 monitor outputs

Shadow Recording Server

- ▶ Recording server with internal RAID for additional storage
- ▶ 8-bay or 24-bay models
- ▶ Provides up to 152 TB storage
- ▶ Supports systems of up to 100 cameras

Ordering Information

Model	Mounting Type	HDD Size*	Model Number
Recording Server preconfigured with Valerus VMS system with internal storage	Desk-top	Up to 16 TB	VLR-XTBV1
	Rack-mount		VLR-XTBV1-RK
Mini Recording Server preconfigured with Valerus VMS system	Desk-top	Up to 8 TB	VLR-MINI-XTBV1
Shadow Recording Server with internal RAID storage preconfigured with Valerus VMS system	Rack-mount	Up to 152 TB (RAID 5) or 136 TB (RAID 6)	VLR-XTBV1-RX
Application Server** PC preloaded with Valerus application server software; includes Web Server	Desk-top	N/A	VLR-APPSRV
	Rack-mount		VLR-APPSRV-RK
Viewing Station for viewing and operating Valerus VMS; 2 monitor outputs	Desk-top	N/A	VLR-CLIENT
	Rack-mount		VLR-CLIENT-RK
Viewing Station for viewing and operating Valerus VMS; 4 monitor outputs	Desk-top	N/A	VLR-CLIENT-4
	Rack-mount		VLR-CLIENT-4-RK

*XTB indicates the hard drive size in TB. For example, an NVR with 1 TB storage would have a model of VLR-1TBV1; the rack version would be VLR-1TBV1-RK.

Use the 1 TB models when a unit is required for use with external SAN-RAID storage.

**The Application Server can run on one of the Recording Servers in a system with up to 150 cameras. Over 150 cameras, Vicon recommends a dedicated Application Server.

Options and Accessories

Description	Model Number
 External Storage Options. Vicon offers a variety of external storage options using SAN and other technologies. Refer to the website for more information.	VN-SAN Series

VALERUS VMS HARDWARE SPECIFICATIONS

Model	Rack-Mount Server	ITX Desktop Server	Mini Recording Server	Shadow Recording Server
PC Requirements				
Operating System:	Microsoft® Windows® 10 LTSB*, 64 bit			
CPU:	Intel® i5 min. processor		Intel i3 processor	Intel Xeon® E3 processor
Memory:	8 GB			4 GB
Graphics:	256 MB RAM onboard			
Network Interface:	100/1000 Mbps			
Disk Space:	Model dependent			
Browser**:	Must have Internet Explorer 11 min. or Firefox (must support Active X)			

Electrical

Input Voltage:	105-240 ±10% VAC, 50/60 Hz		105-240 ±10% VAC, 50/60 Hz
Current:	0.66 A @ 115 VAC; 0.33 A @ 240 VAC		8-Bay: 1.5 A @ 115 VAC; 0.75 A @ 230 VAC; 24-Bay: 8.8 A @ 115 VAC; 4.4 A @ 230 VAC
Power Consumption:	76 W nominal		8-Bay: 178 W nominal. 24-Bay: 1010 W nominal; includes a redundant power supply
Heat Output:	266 btu/hour		8-Bay: 623 btu/hour. 24-Bay: 3535 btu/hour.
Power Connector:	Standard 3-conductor female socket		Standard 3-conductor female socket

Mechanical

Application:	Indoor			
Mounting:	19 in. (483 mm) rack-mount, 1 RU height	Standard mini ITX chassis desktop	Mini desktop	Standard 19-in. (483 mm) rack mount. 8-Bay: 2U; 24-Bay: 4U
Dimensions:	1.75" (44.45 mm) H x 19" (483 mm) W x 16" (406 mm) D, with connectors	6.59 in. (167.5 mm) H x 2.13 in. (44 mm) W x 6.59 in. (167.5 mm) D	3.15 in. (80 mm) H x 7.9 in. (200 mm) W x 7.5 in. (200 mm) D	8-Bay: 3.5 in. (89 mm) H x 19 in. (483 mm) W x 26 in. (660 mm) D, including ears. 24-Bay: 7 in. (176 mm) H x 28 in. (711 mm) D
Weight:	18.2 lb (8.3 kg)	8.1 lb (3.7 kg)		8-Bay: 46.3 lb (21 kg). 24-Bay: 64.0 lb (29 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

*If a full Windows O.S. is required, contact you Vicon Sales Representative.

**Additional browsers will be supported in future releases.

Valerus Recording Server Specifications†

Recording Server	Mbits	Number Cameras
Mini Recording Server	Up to 100	Up to 35
Recording Server	Up to 200	Up to 70
Shadow	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. Refer to the Valerus hardware datahsheet for details on the various servers.

Data Sheet Number: V281-30

Vicon Data Sheet Part Number: 8009-7281-30-01

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Specifications subject to change without notice.

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