VICON
VALERUS

Valerus Shadow Elite Recording JBOD Servers

Reliable, high-performance recording servers with flexible storage options



Up to 200 Mbps

Up to 100 Video Channels

Up to 32 TB Storage

Powered by Dell and Intel Technology

Summary

The Valerus Shadow Elite Recording Servers are high-performance recorders that combine flexible storage options and powerful components for long-term reliability. These powerful servers (JBOD) are also acceptable for all-in-one applications where users want to reduce hardware overhead and cut costs. The Shadow Elite Recording Servers (NVRs) are available in two form factors, small tower or a 1U rack-mount, making them the perfect option for any sized installation.

Product at a Glance

- Available in SFF desktop or 1U-rack
- Suitable as standalone NVR or All-in-One machines
- Install quickly with Valerus pre-installed
- Powered by best-in-class Dell and Intel technology
- Offers peace of mind with 5-year warranty with next business day, on-site support
- Safeguard your system with Secure Boot, TPM 2.0

Powered by Dell & Intel for Machines that Last

- Top-of-the-line components ensure long-lasting performance
- Future-proof your operation with the latest-gen technology

Installs in minutes with preloaded Valerus Software

- VMS and OS software are pre-installed and pre-tested
- Certified for plug-and-play operation out-of-the-box

Backed by a 5-Year Warranty and 24/7 Support

- Includes next business day on-site support
- Covers all components (including HDD)

Specifications (Vicon-Certified Hardware)

Model	Small Form Factor VERA-SFXXN0-XX	Rack-Mount VERA-1UXXN0-XX
Operating System:	Microsoft® Windows® 11† Enterprise IoT LTSC	
CPU/RAM:	Intel® Core® Ultra 5 235T, 16 GB DDR5	Xeon®; 16 GB DDR5
OS Drive:	1x 256 GB M.2 NVMe SSD	480 GB SSD
Max. Supported Data Drives:	1x 3.5" max	4x 3.5" max
Max. Storage (Gross):	8 TB (1x 8 TB)/16 TB (1x 16 TB)	32 TB (2x 16 TB)
Data Drives Configuration:	SATA	
Networking:	3x 1GbE RJ-45	2x 1 GbE; 1x RJ-45 iDRAC
Video:	Intel HD (3x DP*)	Single VGA
Additional Rear Panel I/O:	4x USB 3.2 + 2x USB 2.0	1x USB 2.0 1x USB 3.2 1x Serial
Front Panel I/O:	1x USB 3.2 Type C + 1x USB 3.2 + 2x USB 2.0; 1x Headphone	1x USB; 1x Micro USB for iDRAC; Power Button; Status LEDs
Electrical		
Power Supply:	300 W	600 W (Dual)
Typical Power Consumption:	200 W (650 BTU)	300 W (1000 BTU)
Max. Power Consumption:	300 W (1000 BTU)	600 W (2000 BTU)
Mechanical		
Application:	Indoor	
Mounting:	Desktop	Rack-mount
Dimensions (HxWxD):	11.95 in. (303.5 mm) x 3.74 in. (95 mm) x 11.54 in. (293 mm)	1.7 in. (42.8 mm) x 21.9 in. (556.2 mm) x 19 in. (482 mm) (with bezel)
Weight:	14.51 lb (6.58 kg)	29.1 lb (13.23 kg)
Construction:	Steel and plastic	
Environmental		
Operating Temperature:	50° to 113° F (10° to 45° C)	50° to 95° F (10° to 35° C)
Humidity:	20 to 80% relative, non-condensing	5 to 95% relative, non-condensing
Country of Origin:	Mexico	

†Windows 11 supplied with units shipped after October 2024. *DP/Mini-DP to HDMI adapters are included.

Ordering Information Scheme

Model	Mounting Type	HDD Storage	Model Number*
Recording Server preconfigured with Valerus VMS system with internal storage.	Small Form Factor	Up to 16 TB	VERA-SFXXN0-XX
	1U Rack-Mount	Up to 32 TB	VERA-1UXXN0-XX

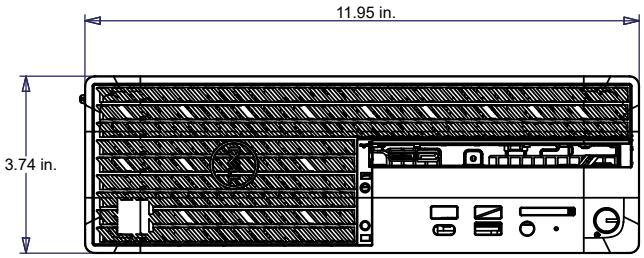
*The first XX indicates the amount of gross TB storage and the second XX indicates the amount of usable TB storage.

NVRs: Small Form Factor Model (with 1 Data Drive)

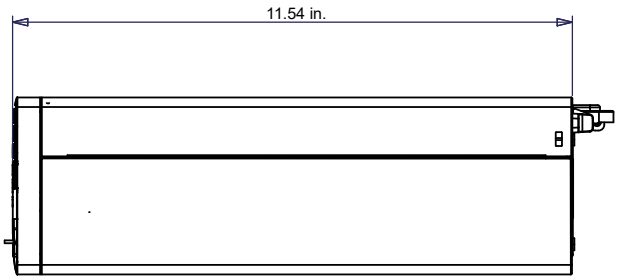
Includes five year NBD onsite KYHD (Keep Your Hard Drive) warranty with UL/FCC/CE and other required certifications.

Model	Storage
VERA-SF08N0-07	8 TB gross storage (7 TB usable storage)
VERA-SF16N0-14	16 TB gross storage (14 TB usable storage)

Dimensional Drawing

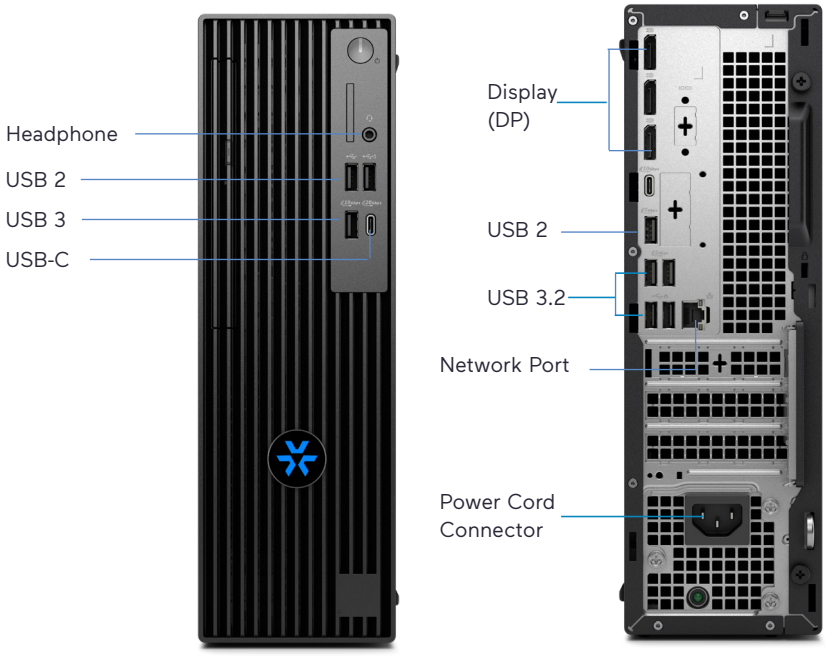


Front View



Side View

Front and Rear Panel Controls and Connectors*



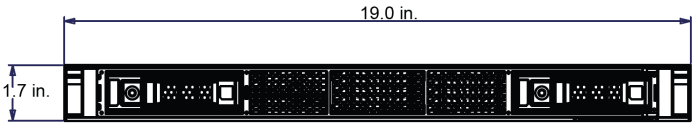
*These drawings are for reference only. The actual video and networking ports may differ but will be similar.

NVRs: 1U Rack-Mount Models (with 2 Data Drives)

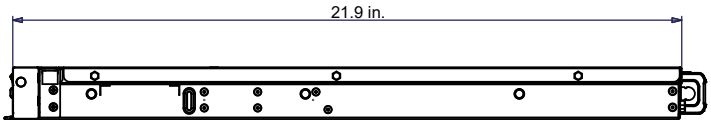
Each includes five year NBD onsite KYHD (Keep Your Hard Drive) warranty with UL/FCC/CE and other required certifications.

Model	Storage
VERA-1U20N0-18	20 TB gross storage (18 TB usable storage)
VERA-1U24N0-22	24 TB gross storage (22 TB usable storage)
VERA-1U32N0-29	32 TB gross storage (29 TB usable storage)

Dimensional Drawing



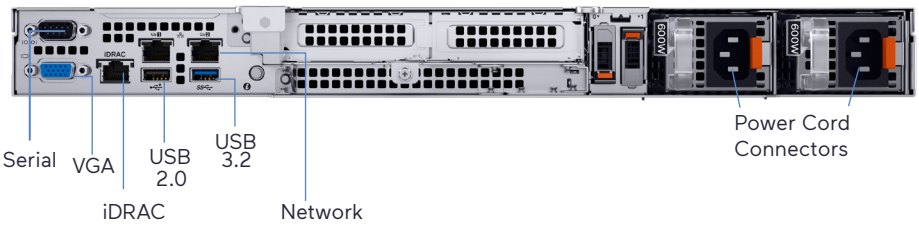
Front View



Side View

Front and Rear Panel Controls and Connectors*





*These drawings are for reference only. The actual video and networking ports may differ but will be similar.

Data Sheet Number: V323-11-09 Rev 7/26
Vicon Data Sheet Number: 8009-7323-11-09

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