

Valerus-ViconNet Gateway



Rack-mount Server



Desktop Server

Product at a Glance

- ▶ Module designed to bridge existing ViconNet systems to Valerus
- ▶ Provides a simple migration path
- ▶ Available as software only or preinstalled on Vicon certified hardware
- ▶ i7 processor and 16 GB RAM
- ▶ Supports ViconNet systems with up to 500 cameras per Gateway
- ▶ Gateway can be installed on a dedicated Application Server for systems with up to 75 cameras

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

The Valerus-ViconNet Gateway is compatible with Valerus version 2018 and ViconNet systems at version 5.6d and newer. The Gateway software can be installed on a dedicated Valerus Application Server and support up to 75 ViconNet video channels; for systems with more than 75 ViconNet channels, a dedicated computer is required to run the Gateway. The Gateway computer must run on a minimum of a 1 Gbps network.

The Gateway software must not run on a server running the Valerus NVR software. The server running the Gateway software should not be used for video display to allow it optimal resource allocation.

The Gateway offers a simple migration path from ViconNet to Valerus and does not require a major change or overhaul of the exiting system. There is no need to upgrade the ViconNet system and there is no loss of recorded data.

Multiple Gateways may be used in a single Valerus system and require a license per Gateway. If there is an existing Valerus system, it must be upgraded to Valerus version 18 or higher and the current license must be upgraded to include the Gateway. If this is a new system, Valerus (version 18 or higher) must be licensed to include the Gateway.

Ordering Information

Model	Mounting Type	Model Number
Gateway server preloaded with Gateway and required ViconNet software*	Desktop Rack-mount	VEGA-SF000D-N01 VEGA-1U000D-N01
New license for Gateway		VLR-VN-GW-LIC
Upgrade license for existing Valerus systems		VLR-VN-GW-LIC-ADD

*The Gateway can run on the Application Server with up to 75 cameras. Over 75 cameras, Vicon recommends a dedicated Gateway.

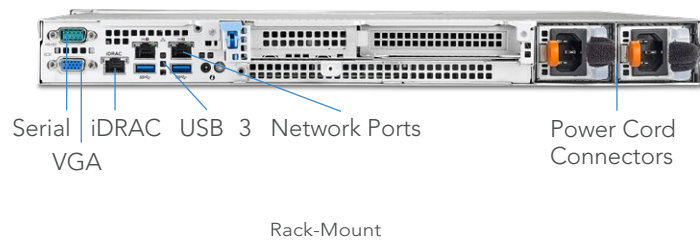
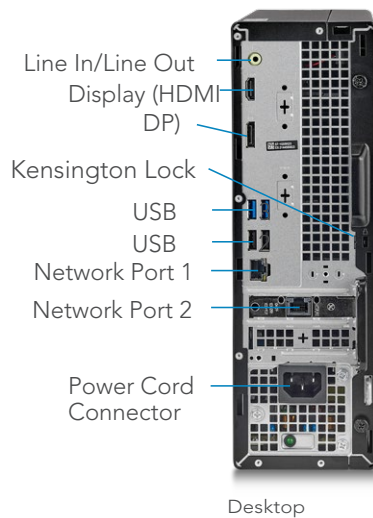
VALERUS-VICONNET GATEWAY

SPECIFICATIONS

Model	Rack-Mount	Desktop
PC Requirements		
Operating System:	Microsoft® Windows® 10 Enterprise IoT	
CPU:	Xeon® E-22XX	Intel Core i7 10th Gen
Memory (RAM):	16 GB ECC DDR4	16 GB DDR4
OS Drive:	2x 240 GB M.2 SSD (RAID-1)	1x 256GB M.2 NVMe SSD
Networking:	2x 1GbE Broadcom 5720; 1x RJ-45 iDRAC	1x 1GbE RJ-45, Realtek
Electrical		
Redundant Power Supply:	350 W	200 W
Typical Power Consumption:	160 W	100 W
Max. Power Consumption:	220 W	220 W
Heat Output (Typical/Max):	550 BTU/750 BTU	350 BTU/750 BTU
Power Connector:	Standard 3-conductor female socket	
Mechanical		
Application:	Indoor	
Mounting:	19 in. (483 mm) rack-mount, 1 RU height	Small form factor desktop
Dimensions (HxWxD):	1.75 x 19 x 23.98 in. (44.5x483x609.1 mm)	11.42 in. (290.1 mm) x 3.65 in. (92.7 mm) x 11.53 in. (292.9)
Weight:	29.98 lb (13.6 kg)	8.44 lb (3.83 kg)
Construction:	Steel and plastic	
Environmental		
Operating Temperature:	50° to 95°F (10° to 35°C)	
Humidity:	5 to 95% relative, non-condensing	10 to 80% relative, non-condensing
Warranty		
5 years part and labor		

Controls and Connectors

Note that mother boards are subject to change and the current rear panel may differ slightly but will be similar.



Data Sheet Number: V281-70

Vicon Data Sheet Part Number: 8009-7281-70-03

Dated: 4/2022

Specifications subject to change without notice.

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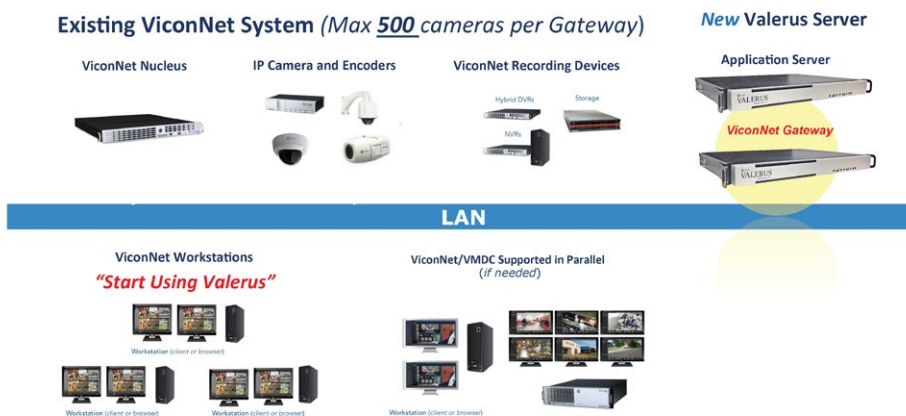
In a small system, the ViconNet system connected through the Gateway has up to 75 cameras. The cameras can be direct IP devices or through an encoder. All recording remains on ViconNet. The server can run both the Application Server and the ViconNet Gateway; only 1 Gateway license is required.

Small System Diagram



In a single Gateway solution, the ViconNet system connected through the Gateway has up to 500 cameras. The cameras can be direct IP devices or through an encoder. All recording remains on ViconNet. One server will run the Application server and a second server will run the ViconNet Gateway; only 1 Gateway license is required.

Single Gateway System Diagram



In a multiple Gateway solution, the ViconNet system connected through the Gateway exceeds 500 cameras. This may be needed for systems with remote sites. The cameras can be direct IP devices or through an encoder. All recording remains on ViconNet. One server will run the Application server and additional servers will run the ViconNet Gateway. System licensed for the number of Gateways needed.

Multiple Gateways Diagram (Large System)

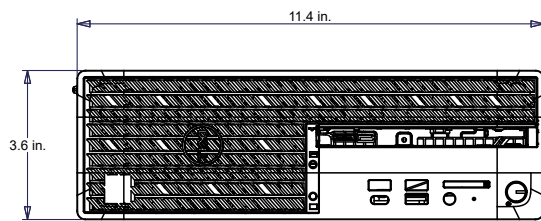


Functionality Supported on Valerus for Channels Connected through the ViconNet Gateway

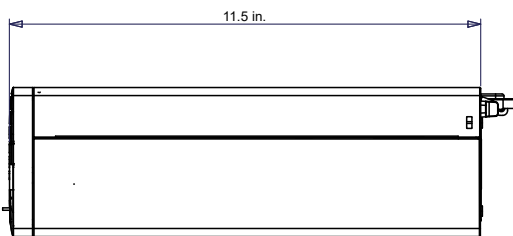
Video and audio are pulled from the ViconNet VMS and sent to the Valerus clients transparently. The channels are handled by the Gateways and stream through them. On Valerus, the video and audio channels appear as any other resource and can be used exactly as if they are an IP camera connected directly to Valerus. The supported functionality for those channels is listed in the table below. Note, other functionality is still possible on the ViconNet VMS.

Function	Supported	Comments
Live video/audio viewing	✓	Like any video/audio resource
Playback of recorded video/audio from the ViconNet system	✓	Includes Valerus timeline
Support for Events from the ViconNet system		Events only trigger on ViconNet
Control of Relay on the ViconNet system		Can only be triggered from ViconNet
Thumbnail Search of video on ViconNet system	✓	
Museum Search of video on ViconNet system	✓	
Export video through Valerus	✓	In the standard ONVIF format
Connecting Multiple Gateways	✓	Refer to diagrams
Application/Gateway Server combination	✓	Up to 75 ViconNet video channels
Control PTZ cameras on ViconNet system	✓	
Dewarp 360° cameras on ViconNet system	✓	
ViconNet VMS and channel configuration		Done from the ViconNet menus

Dimensional Drawings

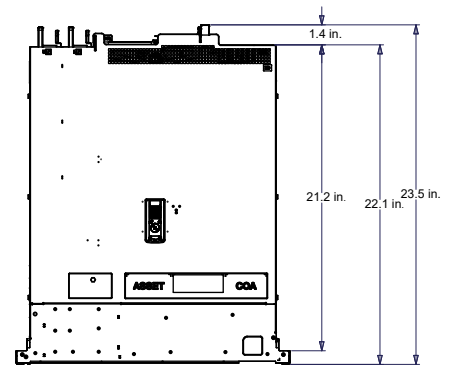


FRONT VIEW

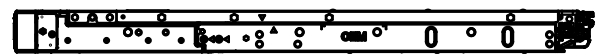


SIDE VIEW

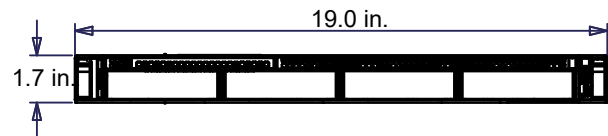
Desktop



TOP VIEW



SIDE VIEW



FRONT VIEW

Rack-Mount

