

Valerus Network Video Recorder with Built-In PoE+ Switch



Product at a Glance

- ▶ Turnkey system reduces devices required for deployment
- ▶ 16-port PoE+ switch with 240 W total power budget
- ▶ Intel i3 6100 processor for fast and efficient processing
- ▶ Up to 24 TB recording capacity
- ▶ Supports 70 cameras for recording and 16-channels for viewing
- ▶ Includes Valerus and 16 CORE licenses (for Vicon IP cameras) for fast and easy deployment

The NDAA-compliant Valerus NVR with PoE+ is a plug-and-play network video recorder engineered to simplify surveillance systems for small to medium-sized surveillance operations. This powerful unit integrates an NVR server, Valerus VMS and a 16-port PoE+ switch for easier, faster and simpler installation. With this integrated hardware, surveillance operations can reduce hardware requirements while maintaining the reliability and performance of discrete devices.

Efficient NVR ready for your operation

Featuring an Intel® i3 6100 processor, 16 GB RAM and flexible storage capacities up to 24 TB, the efficient NVR is capable of supporting 70 multi-megapixel IP cameras with 200 Mbit/s continuous recording throughput. It is also explicitly engineered for Valerus VMS, making integration into new or existing Valerus systems easy.

Powerful PoE+ Switch

The integrated 16-port PoE+ switch makes connecting and managing cameras to Valerus systems easier than ever. It provides PoE+ on all 16 ports with a 240 W total power budget.

Simple Setup and Configuration

The Valerus NVR with PoE+ arrives with Valerus pre-installed, simplifying deployments and reducing associated costs. It also includes 16 free Valerus CORE licenses for Vicon IP cameras, so you can connect up to 16 Vicon cameras without additional VMS licensing fees. It can be deployed as a part of a larger Valerus system or as a standalone device.

Ordering Information

Model Number	Rack/HDDs	Storage
VLR-POE-4TB	2U/2-bay	4 TB
VLR-POE-8TB		8 TB
VLR-POE-12TB		12 TB
VLR-POE-16TB		16 TB
VLR-POE-24TB		24 TB

Valerus Recording Server Specifications*

Recording Server	Mbits	Number Cameras
VLR-POE NVR with PoE	Up to 200*	Up to 70*

*When used in an NVR-only mode. If used as a standalone All-in-One recorder, the Max data rate is limited to 150 Mbps and max number of cameras supported is 50.

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

Specifications (VICON-CERTIFIED HARDWARE)

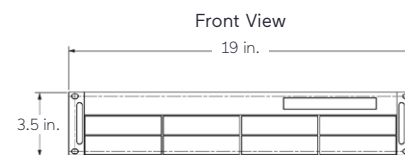
Model	VLR-POE Series
System Specifications	
Operating System:	Microsoft® Windows® 10 lot Enterprise
CPU Processor:	Intel® i3 6100 3.70 GHz processor
Memory:	16 GB (DDR4 RAM)
Display:	Dual monitor supported, HDMI (4K) and DVI (1080p max). See Table below.
Network Interface:	Dual 1000 Mbps (1 Gbps)
OS Drive:	256 GB SSD
Data Drives:	Up to 24 TB HDD; model dependent
Browser*:	Must have Internet Explorer® 11 min. (up to version 51.x supporting Active X) or Microsoft Edge®; can be accessed from Google® Chrome™ using the extension available at the Google Chrome store
Electrical	
Input Voltage:	110 - 240 VAC; 50/60 Hz
PoE Budget:	30 W max per port; 240 W (total)
Power Consumption:	380 W (1300 btu) max
Power Connector:	Standard 3-conductor female socket
Mechanical	
Application:	Indoor
Front Panel Indicators:	Power LED: 1, red.
Rear Panel I/O and Controls:	AC Power Socket; 1 Power Switch; 4 USB 3.0; 2 RJ-45 (Giga); 1 eSATA; 1 Audio (Line in/Line out/Mic in); 16 PoE Giga connectors with LED; Display Ports: 1 DVI-I; 1 HDMI, HDMI (4K)/DVI (1080p max)
Mounting:	Chassis support rail sliding design; 19 in. (483 mm) rack-mount, 2 RU height
Dimensions:	3.5 in. (87.8 mm) H x 19 in. (483 mm) W x 15 in. (380 mm) D, without connectors
Weight:	19.3 lb (8.75 kg) including 2 HDDs
Construction:	Black metal
Environmental	
Operating Temperature:	32° to 104° F (0° to 40° C)
Humidity:	Up to 90% relative, non-condensing
Warranty:	3 years part and labor
Country of Origin:	Taiwan

Note that custom configurations of hardware and software are available upon request. *Additional browsers will be supported in future releases.

Display Table

Picture Details		Displayed Streams @		
Type	Megapixels	30 FPS	15 FPS	7 FPS
VGA (640x480)	0.3	20	40	85
2 MP (1080p)	2	3	6	12
5 MP	5	1	2	5
8 MP	8		1	3
12 MP	12		1	2

Dimensional Drawings

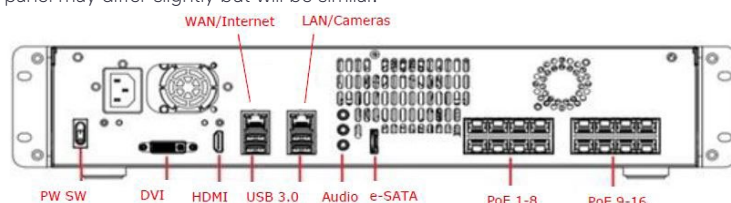


Side View



Controls and Connectors

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



Intel is a registered trademarks of Intel Corporation. Windows, Edge and Internet Explorer are registered trademarks of Microsoft Corporation. Google is a registered trademark and Chrome a trademark of Google LLC.

Data Sheet Number: V319-00-03
Vicon Data Sheet Number: 8009-7319-00-03

Specifications subject to change without notice.
Vicon and their logos are registered trademarks of Vicon Industries Inc.
Copyright © 2021 Vicon Industries Inc. All rights reserved.