Valerus NVR with PoE+

VICON

A powerful plug-n-play NVR with built-in PoE+ switch and free Valerus licenses, saving installation time, maintenance and cost.

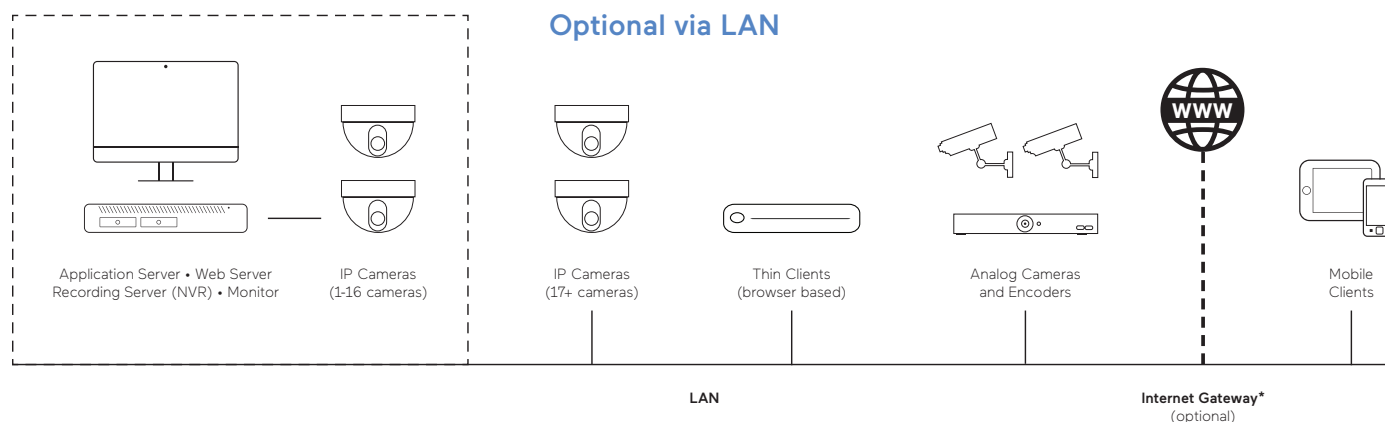### Exceptionally Designed to Streamline Installations

Vicon's NDAA-compliant Valerus NVR with PoE+ is a powerful server that helps simplify installation and maintenance. As an addition to Vicon's already extensive line of Valerus server options, it is the first unit to include an integral 16 port PoE+ switch, reducing installation time and the associated costs. Additionally, this NVR is pre-loaded with 16 free Valerus CORE licenses for Vicon devices, however can be easily integrated into Valerus PRO or ENTERPRISE tiers via a tier upgrade.

This device delivers simplicity by providing a streamlined package, straightforward operation and seamless integration. It is ideal as a standalone system for small to medium-sized surveillance systems, or as a local server that is integrated as a part of a larger Valerus system.
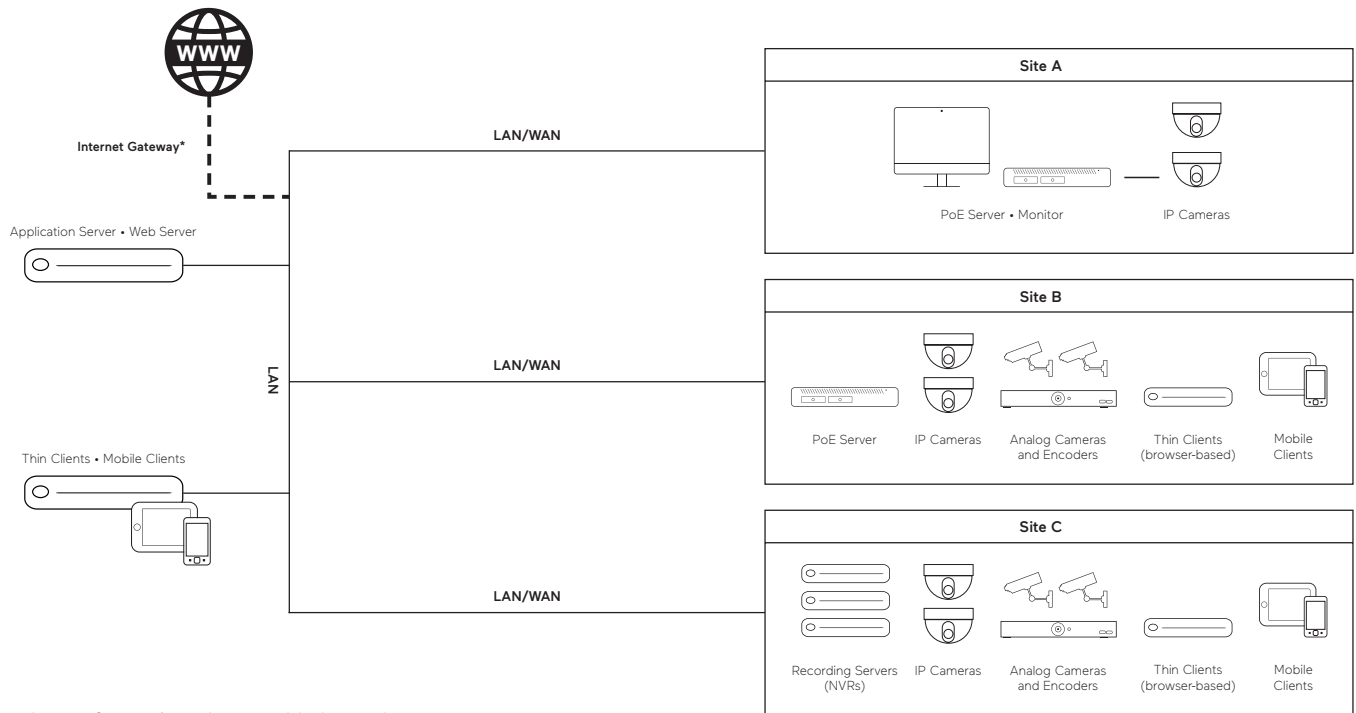
Product at a Glance

- ▸ Supports up to 60 IP cameras
- ▸ Includes 16 pre-installed Valerus CORE licenses (for Vicon devices) that can be easily upgraded to PRO or ENTERPRISE licenses
- ▸ Provides PoE+ on all ports with 240 W of total power

All-In-One Topology

Optional via LAN

Application Server • Web Server Recording Server (NVR) • Monitor	IP Cameras (1-16 cameras)	IP Cameras (17+ cameras)	Thin Clients (browser based)	Analog Cameras and Encoders	Mobile Clients

LAN

Internet Gateway* (optional)

*The Valerus Internet Gateway is a software module that may be installed on the Application Server or a dedicated computer.
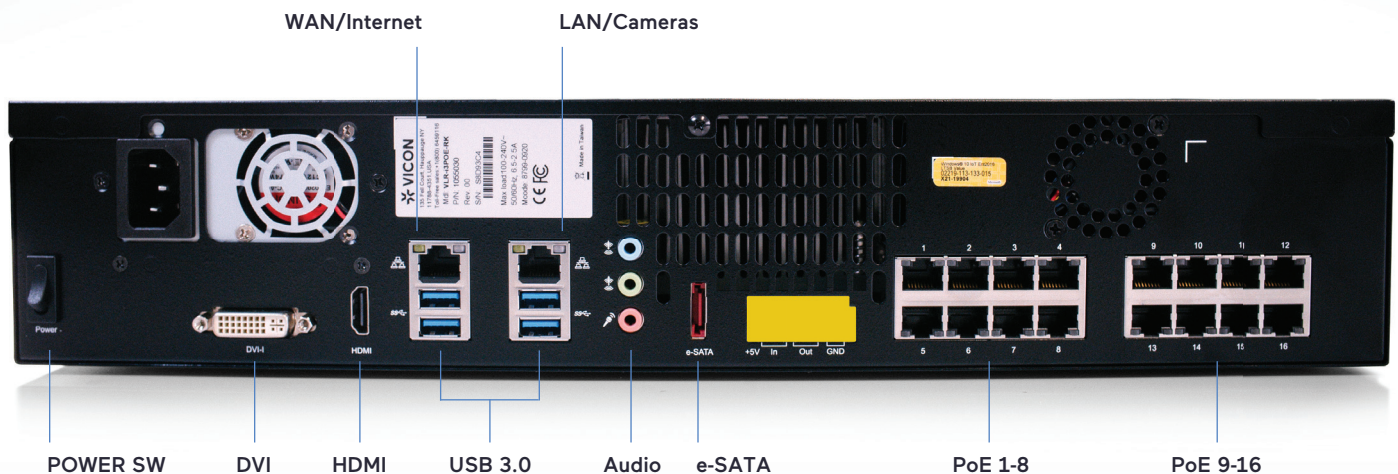
Typical Distributed Topology

* The Valerus Internet Gateway is a software module that may be installed on the Application Server or a dedicated computer.

A Sophisticated NVR Server

As an integrated device, the Valerus NVR with PoE+ eliminates the need for additional hardware, such as supplementary network switches and extraneous wires. This server is built with an Intel® i3 6100 processor and 16GB RAM, with flexible storage capacities up to 24TB. The efficient NVR can support up to 60 IP cameras with resolutions up to 12 MP and 190 Mbit/s continuous recording throughput.

WAN/Internet **LAN/Cameras**

POWER SW **DVI** **HDMI** **USB 3.0** **Audio** **e-SATA** **PoE 1-8** **PoE 9-16**

Specifications (VICON-CERTIFIED HARDWARE)

Model	VLR-i3POE-RK Series
System Specifications	
Operating System:	Microsoft® Windows® 10 Iot Enterprise
CPU Processor:	Intel® i3 6100 3.70 GHz processor
Memory:	16 GB (DDR4 RAM)
Display:	See Table below
Network Interface:	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. or Microsoft Edge® (up to version 51.x supporting Active X); 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, orange. LAN Active LED: 1, blue
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, each display up to 4K resolution
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 95% relative, non-condensing
Warranty:	3 years part and labor
Country of Origin:	Taiwan

*Additional browsers will be supported in future releases.

Valerus Recording Server Specifications†

Recording Server	Mbits/sec	Number Cameras
NVR PoE Recording Server	Up to 190	Up to 60

†The server supports up to 60 cameras. For exact numbers, please refer to our Valerus storage calculator. Note that both the bandwidth (Mbits) and the number of cameras should be taken into consideration.

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

This unit can be used as a standalone unit and display video based on the following chart.

Ordering Information

Model Number	Product Code	Rack/HDDs	Storage	MSRP
VLR-POE-4TB	10550-00	2U/2-bay	4 TB	$4739
VLR-POE-8TB	10550-05	2U/2-bay	8 TB	$5062
VLR-POE-12TB	10550-10	2U/2-bay	12 TB	$5494
VLR-POE-16TB	10550-15	2U/2bay	16 TB	$5823
VLR-POE-24TB	10550-25	2U/2bay	24 TB	$6829

The following table shows the various storage options available for purchase. These options allow you to select the storage necessary for your security operation.

Now Including 16 FREE Valerus CORE Licenses

We've included **16 free Valerus CORE licenses** for Vicon devices to enhance the plug-n-play system, ideal for smaller applications. However, this can easily be upgraded to a Valerus PRO or ENTERPRISE system for medium to larger sized operations via a tier upgrade.

Valerus is available in 3 tiers, each created to meet individual business' needs.

CORE

Up to 35 edge devices

Up to 10 concurrent clients

Unlimited max recording days

Standard features

A no-cost tier for trial systems and fully functional demos is available (TRY version).

PRO

Unlimited edge devices

Unlimited concurrent clients

Unlimited max recording days

Standard features

Museum Search

Interactive maps

3rd party integrations

Limited Alarms Management features

ENTERPRISE

Unlimited edge devices

Unlimited concurrent clients

Unlimited max recording days

Advanced features

Museum Search

Interactive maps

3rd party integrations

Recording server failover

Active Directory integration

Full Alarms Management capability