ENTERPRISE
PRO

Tier Comparison Chart

VMS Version 23.1 | 2023

Introduction

The Valerus Video Management System is a powerful yet easy-to-use open platform that offers multiple level options designed to provide the right balance of cost and functionality.

This comparison is designed to help understand Valerus' overall capabilities to select the right tier for each specific application. A quick review of the table below reveals the depth of features included in Valerus, while our development roadmap continues to expand Valerus with each new revision. With the ENTERPRISE tier, Valerus is capable of supporting the largest, most complex systems in any vertical market.

With a feature list this deep, it's easy to think Valerus may be too complex, but that's not the case. Valerus was designed to be the easiest VMS platform available, and its success has proven that a focus on simplicity was the right choice. With advanced auto-detection, setup and the most powerful features right at the operator's fingertips, we believe you'll be amazed at just how simple this complex system really is.

For further clarification, please refer to the Valerus technical specifications at vicon-security.com.

Valerus VMS
Tier Comparison Chart

Simple and Cost-Effective Licensing Tier Options to Meet Your Specific Needs

The table below provides an in-depth comparison outline of the features and capabilities included in the range of Valerus VMS license tiers. A no-cost tier for trial systems and fully functional demos is available (TRY version).

General Operational Parameters	PRO	ENTERPRISE
Maximum number of devices per system	Unlimited	Unlimited
Maximum number of simultaneous clients	Unlimited	Unlimited
Maximum number of recording days	Unlimited	Unlimited
Support standard or RAID recording configurations	Yes	Yes
Duration of license	Perpetual	Perpetual
OS platform	Win 10/server	Win 10/server
Operational in virtual machine configuration	Yes	Yes
Global health dashboard	Yes	Yes
Thumbnail Search	Yes	Yes
Museum Search (with AI filters)	Yes	Yes
Events Framework Search	Yes	Yes
Event/Alarm Search	Yes	Yes
Audit Log to track users actions	Yes	Yes
Microsoft Active Directory support	Yes	Yes
Audit Log	Yes	Yes
Fully operational via browser	Yes	Yes
Client Monitoring Service to monitor system performance	Yes	Yes
Auto-configure easy set up	Yes	Yes
Flexible event-based rules programming	Yes	Yes
Adjust recording parameters based on event	Yes	Yes
Global camera programming from single configuration	Yes	Yes
Compression support including MJPEG, H.264 and H.265	Yes	Yes
Camera and encoder type	ONVIF/RTSP	ONVIF/RTSP
Support analog HD video (AHD)	Yes, requires compatible encoder	Yes, requires compatible encoder

❌ VICON

Valerus Tiers Comparison Chart

 VICON

General Operational Parameters, continued	PRO	ENTERPRISE
Run multiple monitors from a single PC	Yes	Yes
View live video; stream through NVR with failover to camera	Yes	Yes
View playback	Yes	Yes
Dewarp 360° cameras	Yes	Yes
Triple streaming	Yes	Yes
Multi-level groups	Yes	Yes
Support Vicon edge analytics	Yes	Yes
Support Valerus from mobile application	Yes	Yes
Export video	Yes	Yes
Multi-level user authorization	Yes	Yes
Supports IPV6 network topology	Yes	Yes
Application server failover	Yes	Yes
Recording server failover	–	Yes
Secure (HTTPS) client - server connection	Yes	Yes
Support HTTPS camera connectivity	Yes	Yes
Sequence preset Views into a saved Tour	Yes	Yes
Playback with timeline and thumbnail view	Yes	Yes
Trigger I/O events	Yes	Yes
Compatible with ViconNet Gateway	Yes	Yes
Response to VMD from cameras	Yes	Yes
Control PTZ	Yes	Yes
Audio: live and playback	Yes	Yes
Keypad and PLC support	Yes	Yes
Remote Monitor switching	–	Yes
Thick Client solution	Yes	Yes
Monitoring Tab (Live, Playback, Search and Archive)	**PRO**	**ENTERPRISE**
Maximum number of cameras per single display pane	36	36
Maximum number of monitors per PC	6	6
View live cameras	Yes	Yes
View playback	Yes	Yes
View mix of live and playback video at same time	Yes	Yes
Support live displays without recording	Yes	Yes
Timeline and thumbnail view on playback for quick reaction	Yes	Yes
Pause, FFW and FRW on playback	Yes	Yes
Loop video on playback	Yes	Yes
Bookmark video	Yes	Yes
View maps	Yes	Yes

Valerus Tiers Comparison Chart

Monitoring Tab, continued	PRO	ENTERPRISE
Detailed date and time selection for playback	Yes	Yes
Synchronized playback of multiple cameras	Yes	Yes
Thumbnail video search	Yes	Yes
Museum video search	Yes	Yes
Events Framework video search	Yes	Yes
Event/Alarm Search/Query Engine	Yes	Yes
Number of preset display configurations	21	21
Digital zoom via mouse on live and playback with overview box	Yes	Yes
Archive video in native format with Player or in standard MP4 format	Yes	Yes
Archive multiple synced cameras in one zip file	Yes	Yes
Archive directly from playback and search results	Yes	Yes
Slow mode on playback	Yes	Yes
Drag-n-drop cameras on display	Yes	Yes
Drag-n-drop preset views with multiple cameras	Yes	Yes
Display preset views upon event	Yes	Yes
Maximum frame rate	60 fps	60 fps
View multi-head cameras	Yes	Yes
Dewarp 360° degree camera in multiple views while recording native image	Yes	Yes
Display AHD cameras	Yes, requires compatible encoder	Yes, requires compatible encoder
Display saved URLs	Yes	Yes
Display video from web streaming cameras	Yes	Yes
Display preset video and tours upon event	Yes	Yes
Display presets on Vicon edge analytics event	Yes	Yes
Support 4K monitors	Yes	Yes
Audio live and playback	Yes	Yes
Control PTZ	Yes	Yes
Remove VMS masking on recorded video with proper credential	Yes	Yes
Email notification of an event	Yes	Yes
Display camera, view or tour upon event	Yes	Yes
Sound audio notification upon event	Yes	Yes
Go to PTZ preset upon event	Yes	Yes
Pre/post alarm recording	Yes	Yes
Control display on client PC connected to with PLC, keypad or software	Yes	Yes
Control display on remote client PCs with PLC, keypad or software (can send commands to other PCs)	–	Yes
Virtual Matrix Display Control (VMDC)	Yes	Yes

Valerus Tiers Comparison Chart

Monitoring (Live, Playback, Search and Archive) Mobile Client	PRO	ENTERPRISE
OS platform	iOS & Android	iOS & Android
Maximum number of simultaneous cameras	4 (phone) 9 (pad)	4 (phone) 9 (pad)
View live	Yes	Yes
View playback	Yes	Yes
One-touch device selection (cameras, views and tours)	Yes	Yes
Drag-n-drop device selection	Yes	Yes
Control PTZ	Yes	Yes
FFW, FRW and pause on playback	Yes	Yes
Select date and time on playback	Yes	Yes
Automatic 30 sec playback	Yes	Yes
Select saved Views	Yes	Yes
Select saved Groups	Yes	Yes
User Authentication	Yes	Yes
Secure HTTPS client - server connection	Yes	Yes
Camera, View and Group search	Yes	Yes
❯ Settings		
Low bandwidth mode	Yes	Yes
I Frame mode	Yes	Yes
Playback I Frame only	Yes	Yes
Free	Yes	Yes
Configuration Tab	**PRO**	**ENTERPRISE**
❯ Network Devices (configuration of Application Server, NVRs and devices)		
Quick Configuration for auto discovery of NVRs and ONVIF devices	Yes	Yes
Auto load balancing	Yes	Yes
Map storage to a network drive/cloud	–	Yes
Schedule archiving: all data or events-based data	–	Yes
Manually add recorders and devices	Yes	Yes
Manual or auto programming of recording parameters	Yes	Yes
Set number of days for retention per channel	Yes	Yes
Storage allocation adjustment for recording	Yes	Yes
Remote configuration of recording servers	Yes	Yes
Name each NVR	Yes	Yes
Manually remove recorders and devices	Yes	Yes
Name individual devices (cameras and encoders)	Yes	Yes
Auto identify manufacturer, model and type of camera (ONVIF discovery)	Yes	Yes

Configuration Tab, continued	PRO	ENTERPRISE
Save reference snapshot for future service requirements	Yes	Yes
Auto or manual assignment of IP address	Yes	Yes
Configure device settings in VMS	Yes	Yes
Use mobile device as camera resource	–	Yes
Integration with 3rd party applications	–	Yes
❯ Resources		
Video Streams (recording and display settings)		
Set each stream individually and apply to all similar cameras in one step	Yes	Yes
Set key frame interval	Yes	Yes
Set GOP size	Yes	Yes
Set bit rate	Yes	Yes
Set streaming to UDP, TCP or HTTP	Yes	Yes
Create and save multiple privacy masks that can be removed post recording	Yes	Yes
Set recording to Event, Continuous or Event plus Continuous	Yes	Yes
Manual adjustment of picture settings (brightness, contrast, sharpness)	Yes	Yes
Set expected retention time	Yes	Yes
Access device webpage from VMS	Yes	Yes
Audio		
One-way audio - live and recording	Yes	Yes
Maximum number of audio channels	Unlimited	Unlimited
I/O and Events		
Hardware configurable events	Yes	Yes
Number of I/Os	Unlimited	Unlimited
Set name and description of each I/O	Yes	Yes
Assign I/O actions to trigger events	Yes	Yes
Activate I/O manually	Yes	Yes
Views and Tours		
Create and name Views with different devices and in different display configurations	Yes	Yes
Create, name and save Tours of different preset Views	Yes	Yes
Activate Tours upon event or manually	Yes	Yes
Set dwell time between preset Views in each Tour	Yes	Yes
Schedules		
Create and name different schedules based on date and time	Yes	Yes
Assign different yearly, monthly or daily repeat of each schedule period	Yes	Yes
Select start time, end time and duration of schedule	Yes	Yes

Maps

Create interactive maps (static and live)	Yes	Yes
Add resource icons to map in designated location	Yes	Yes
Link maps to existing maps	Yes	Yes

Monitors

Centrally manage all monitor screens	Yes	Yes
Designate a monitor as an alarm monitor	Yes	Yes

Miscellaneous

Assign unique numeric ID to each system resource	Yes	Yes
Save various URLs for callup and display in Monitoring tab	Yes	Yes
Create procedures for a protocol for handling alarms	–	Yes

❯ Partner Resources

Configure Vicon LPR sensors	Yes	Yes
Configure third party LPR sensors	–	Yes
Configure VAX Access Control doors	Yes	Yes
Associate other resources to react upon event	Yes	Yes

❯ Advanced

Create, name and save different Rules for system reaction	Yes	Yes
Number of Rules allowed	Unlimited	Unlimited
Activate a Rule based on event or manually	Yes	Yes
Create, name and save Groups of different devices for easy operator selection	Yes	Yes
Assign same device to multiple Groups	Yes	Yes
Groups can be created using cameras, encoders, views and tours	Yes	Yes
Define which events are elevated to alarm level	Yes	Yes

❯ User Management

Microsoft Active Directory integration	Yes	Yes
Pre-configured Authorization Roles (Admin, Supervisor, Investigator and Operator)	Yes	Yes
Manually create new Authorization Roles	Yes	Yes
Enable/Disable high-level system authorizations to each Role	Yes	Yes
Enable/Disable detailed resource authorizations to each Role	Yes	Yes
Add/Edit Users	Yes	Yes
Assign unlimited number of Users to each Authorization Role	Yes	Yes

Valerus Tiers Comparison Chart

System Settings		
Licensing page with details of enabled features, UPP status, activation key and other vitals	Yes	Yes
Online and Offline activation options	Yes	Yes
Application Server redundancy configurator	Yes	Yes
Events Database settings	Yes	Yes
System Settings, continued		
Create an access list of computers that are allowed to connect to the system	Yes	Yes
Maintenance		
Software upgrade configurator (latest software version or Tier upgrade)	Yes	Yes
Backup settings configurator	Yes	Yes
Restore system with backed-up settings	Yes	Yes
Log collection for support	Yes	Yes
Replace a device	Yes	Yes
Global Health Dashboard Tab	**PRO**	**ENTERPRISE**
Global health status of Application Server, NVRs and edge devices; link to resource with error	Yes	Yes
Detailed reporting of warnings or errors on all system devices	Yes	Yes
❯ Graphic Display of Real-Time System Performance Statistics (*below*)		
Storage distribution per device on each NVR	Yes	Yes
Days of retention per NVR	Yes	Yes
Bandwidth per NVR	Yes	Yes
Average daily recording bandwidth	Yes	Yes
Camera/encoder vitals (recording status, estimated retention, assigned NVR)	Yes	Yes
Cybersecurity information for users and devices and alerts for using default password, failed login attempts and access list violation	Yes	Yes
Activity Mapping color codes calendar view of audits	Yes	Yes
Alarms Tab	**PRO**	**ENTERPRISE**
Provides list of open alarms	Yes	Yes
Provides filters to sort alarm list	Yes	Yes
Allows multiple users to handle alarms	Yes	Yes
Displays all alarm information as configured	Yes	Yes
Allows assigning alarms	–	Yes
Shows procedures	–	Yes
Allows closing alarms according to alarm life-cycle	Yes	Yes

Languages	PRO	ENTERPRISE
English	Yes	Yes
Spanish	Yes	Yes
French	Yes	Yes
German	Yes	Yes
Italian	Yes	Yes
Arabic	Yes	Yes
Bulgarian	Yes	Yes
Greek	Yes	Yes
Portuguese	Yes	Yes
Korean	Yes	Yes
Turkish	Yes	Yes
Russian	Yes	Yes
Japanese	Yes	Yes
Thai	Yes	Yes
Hebrew	Yes	Yes

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