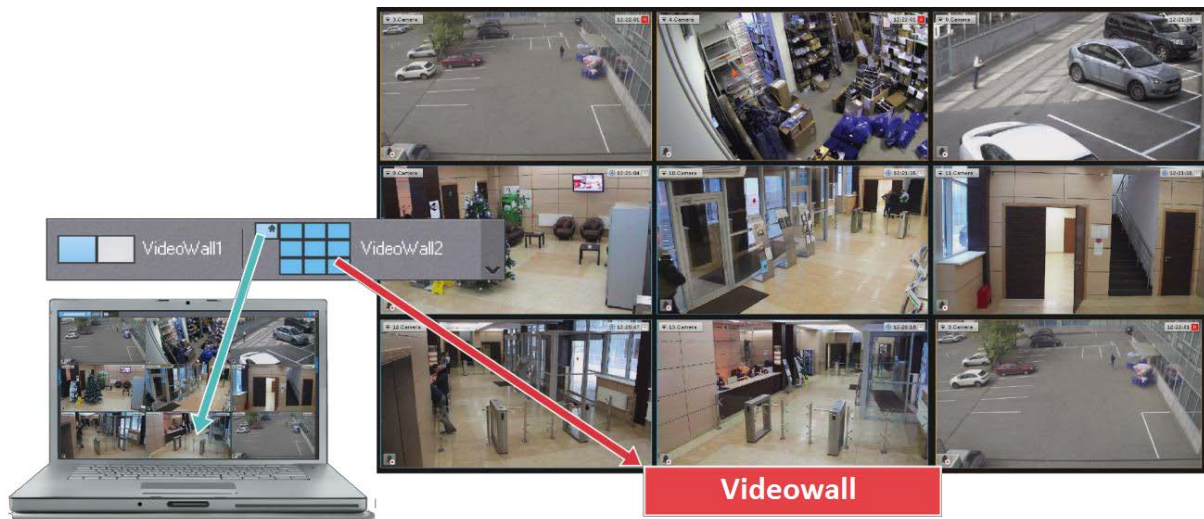


## Surlytics VMS Series ...From Patronus Labs



## Overview

**Patronus Labs Surlytics VMS** is a robust and feature rich Video Management Solution. Hundreds of features are compressed into a user friendly interface making Surlytics VMS suitable for the majority of projects. Four levels of licensing, plus a 60 days demo enable cost effective entry into utilizing this robust platform.

## Features

- **User Friendly Interface**  
Easy to navigate, configure and control User Interface with onscreen alerts and Camera Autozoom for optimal viewing.
- **Advanced Built-in Video and Audio Detection Tools**  
Run one or more analytics per camera. Detection tools include: Camera position change, Image quality loss, Motion, Line crossing, Stop in area, Object appear or disappear in area, Abandoned object, Loitering, Face detection, Audio level threshold, and addition or removal of audio signal.
- **Advanced Event Trigger Rules**  
All detected events can trigger one or more system actions with dynamic rule configurations optimizing system and operator efficiency and effectiveness.
- **Advance Search functions on Recorded Video**  
Configurable post event search filter: Line crossing, Motion in Area, Loitering, Multiple Objects, Move from Area to Area, Thumbnail search, Comments Search, Title search, Face Search.
- **Simple Export of Video and Images**  
Surlytics enables exporting of images and video from the Live view layout so operators can continue monitoring. Add comments to exported images and videos, export in multiple formats: PDF, JPEG, AVI, MKV, EXE. Digital Hash watermarks are automatically embedded in exported video fragments and images for verifying authenticity in evidence cases.
- **Interactive 3D Map**  
Multi-layer Raster or OpenStreetMap 3D map with embedded camera and map layer linkage icons.
- **Video Wall**  
Multi-monitor video wall control on local and remote network connected work stations. Intel Quick Sync Video support enables dozens of HD resolution cameras per monitor and up to 12 monitors per Video Wall Server.
- **Server Failover**  
Hot standby server configuration prevents surveillance system downtime in the event of maintenance, network outage or server failure.
- **Client Multi-domain Access**  
Multi-Domain monitoring enables the client software to interact with and control multiple independent video surveillance systems across the LAN, WAN or WLAN.

- **IP Devices Support**  
Patronus Labs Surlytics VMS support over 6000 IP video devices, including 1,500 proprietary protocol network devices and 4,500 ONVIF devices.
- **Remote Monitoring**  
Surlytics VMS supports Live and playback Remote client, Web browser, iPhone, Android apps.
- **Input and Output bandwidth optimization**  
Surlytics VMS supports receiving multiple video streams from each camera in TCP and UDP. Surlytics VMS can transmit the native camera settings over TCP, UDP or Multicast or transcode each video stream to a lower resolution and frame rate based on the remote devices connection speed and screen layout
- **Tag&Track**  
Tag&Track enables an operator to Tag (select) an object in one camera FOV (Field of View) have the system automatically drive one or more PTZ cameras to follow the object. When the object leaves the FOV Surlytics VMS will predict and bring up cameras where the target is expected to appear.
- **Network storage**  
Surlytics VMS supports video storage on NAS (Network Attached Storage) HDD eliminating any barrier for capacity.
- **Multiple Archives**  
Multiple archives can be created with cameras individually assigned to each archive or different archives can be used for different types of recording. One archive recording at lower frame rate and another specifically dedicated to “alarm” archive recording. With the Surlytics VMS Network Storage capabilities instantaneous offsite recording on alarm can be realized.
- **Replication**  
Replication of video, audio and metadata data is automatically synced between the main video archive/s and other user-specified storage locations, including NAS. Surlytics VMS meets the Connection Lost challenge!
- **Profile G**  
Surlytics VMS support ONVIF Profile G video devices to automatically sync the Server storage with the Edge storage after a network interruption.
- **USB Joystick**  
PTZ control with a range of USB Joysticks simplifies operator control in fixed and mobile applications.
- **Disk Optimization**  
Surlytics VMS optimizes disk utilization by writing video data in sequence and in one direction. These increases read/write speeds, increases disk life and eliminates the problem of disk fragmentation.
- **Dynamic User Roles**  
User Roles are defined to control user access to: Cameras, PTZ control and Priority, Layouts, Maps, Archives, Web Server, Comments, System Logs, Domain Management, Exporting of images and video, etc.
- **H.265 support**  
Surlytics VMS supports Patronus Laboratories 30+ H.265 Mega-pixel IP Cameras reducing storage requirements by 30-50%.
- **Fisheye and Panorama Camera Support**  
Surlytics VMS supports Virtual Pan Tilt and Zoom of Fisheye (360°) and Panorama (180°) cameras.
- **Mass Camera Configuration**  
All cameras of the same type can be configured with a single click.
- **Macros**  
Macros allow specifying a series of actions (including *IF... THEN* conditions) for reacting to events or even combinations of events. With macros, users can automate routine work and fully customize security systems based on site needs.
- **Third party events**  
Surlytics VMS includes a range of new features for getting events from various external devices and systems: cash registers, access control devices, third-party software, and more.
- **LDAP**  
Surlytics VMS can be integrated into site LDAP directories. Surlytics VMS rights can be assigned through LDAP directory groups.

## Models

Model	Description
VSSF1341	Software, Surlytics VMS Level 1 Camera License. Allows - capture, display, record, transmit and playback one video channel from a camera or IP device. Limited to 64 channels per server.
VSSF1342	Software, Surlytics VMS Level 1 Device License. Software module allowing a single device (POS, I/O board, etc.) to be connected.
VSSF1343	Software, Surlytics VMS Level 2 Camera License. Allows capture, display, record, transmit and playback one video channel from a camera or IP device plus Time compressor Search, optional Intelligent Forensic Search Add-on. Unlimited channels per server.
VSSF1344	Software, Surlytics VMS Level 2 Intelligent Forensic Search Add-on (per channel). Intelligent Forensic Search Camera Add-on License Allows Surlytics Level 2 to use a system of intelligent forensic search, LPR search, face search through video recordings in the archive. Item include Tag & Track module - functions for tracking of moving objects.,
VSSF1345	Software, Surlytics VMS Level 2 Device License. Software module allowing a single device (POS, I/O board, etc.) to be connected.
VSSF1346	Software, Surlytics VMS Level 3 Camera License. Allows capture, display, record, transmit and playback one video channel from a camera or IP device plus Multi-camera LPR and Face search, Edge Storage Replication, Cross-System client, Server Failover, Remote Video Wall control, LDAP service. Unlimited channels per server.
VSSF1347	Software, Surlytics VMS Level 3 Device License. Software module allowing a single device (POS, I/O board, etc.) to be connected.

Functionality	Type of license	SurlyticsVMS Demo -60 days (8:00-18:00)*	SurlyticsVMS Free	SurlyticsVMS Level 1	SurlyticsVMS Level 2	SurlyticsVMS Level 3
		Maximum number of Servers in Surlytics domain		Unlimited	1	Unlimited
Maximum number of channels		Unlimited	4	64	Unlimited	Unlimited
Archive Size		Unlimited	1TB	Unlimited	Unlimited	Unlimited
Support for SD cards (edge storage)		Yes	No	Yes	Yes	Yes
Macros		Yes	No	Yes	Yes	Yes
<b>Video Detection</b> - Motion - No Signal - Noise - ONVIF Events - Position Change - Quality Loss		Yes	No	Yes	Yes	Yes
<b>Situation Analysis</b> - Abandoned Object - Line Crossing - Loitering - Motion - Object Appearance/Disappearance in the Area - Stop in the Area		Yes	No	Yes	Yes	Yes
Line crossing		Yes	No	Yes	Yes	Yes
Events from external systems (POS terminals, ACFA)		Yes	No	Optional	Optional	Optional
Scene synopsis (Time Compressor)		Yes	No	No	Yes	Yes
Forensic search (MomentQuest)		Yes	No	No	Optional	Yes
Tag & Track		Yes	No	No	Optional	Yes
Face search		Yes	No	No	Optional	Yes
ANPR search (**Supported countries)		Yes	No	No	Optional	Yes
Searching for ANPR numbers on video from multiple cameras**		Yes	No	No	No	Yes
Replication of video stored on SD cards		No	No	No	No	Yes
Cross-System Client		No	No	No	No	Yes
Failover		Yes	No	No	No	Yes
Video walls management		Yes	No	No	No	Yes
LDAP authentication supported		Yes	No	No	No	Yes
Offline analytics		No	No	No	No	TBA
<b>System features available for all licenses</b>						
<b>Server</b> - H.265 support - Support for ONVIF (profiles G,S), RTSP, GB/T28181 - MotionWavelet recompression - Metadata from IP devices - Configuration backup and restore				Yes		

<ul style="list-style-type: none"> <li>- Mass configuration of cameras</li> <li>- Multicasting</li> <li>- Hotkeys</li> </ul>	
<p><b>Recorded Video / Investigation</b></p> <ul style="list-style-type: none"> <li>- Local and network archives</li> <li>- Events search</li> <li>- Time Slice</li> <li>- Operator comments</li> </ul>	Yes
<p><b>Live Monitoring</b></p> <ul style="list-style-type: none"> <li>- Basic audio and video analytics</li> <li>- Interactive 3D map with support for OpenStreetMap</li> <li>- Green Stream</li> <li>- Tag &amp; Track Lite</li> <li>- Onscreen PTZ mode/USB Joystick</li> <li>- Support for fisheye cameras and ImmerVision lenses</li> <li>- Export of snapshots and video episodes to multiple formats</li> <li>- Information boards</li> </ul>	Yes
<p><b>Remote clients</b></p> <ul style="list-style-type: none"> <li>- Web client</li> <li>- iOS app (including Apple TV)</li> <li>- Android app</li> </ul>	Yes

Information about the type of license you are using is displayed in the server properties in the **Product Type** field.

\*The system will operate in demo mode from 8:00 AM to 6:00 PM.

\*\*Supports the following countries: Germany, Argentina, Poland, Russia, Columbia, Spain. ANPR for additional countries in development.

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