Mirasys Spotter V9

Video Management System - Base, Pro, Enterprise & Enterprise Plus

Feature List and Product Comparison Chart – effective from October 15th, 2020

SPOTTER V9

go beyond by deep vision data



MIRASYS

DEEP VISION DATA COMPANY

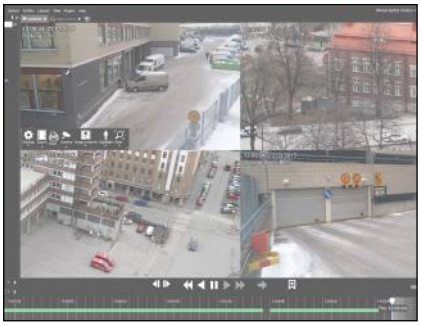
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MIRASYS – DEEP VISION DATA COMPANY

Mirasys is one of the leading suppliers of open platform Video Management Systems (VMS). Founded in 1996, Mirasys focuses on the most valuable asset of your operation: **DATA**

Mirasys' VMS software is one of the preferred choices to collect, store, and provide data from CCTV cameras and other related sensors to both small and large installations. Mirasys is a deep vision data company that allows customers around the world to extract maximum information from old and new cameras and sensors. The data extracted from the footage gives customers and clients the ability to improve security, optimise processes, enhance business' operation and decrease the need for human monitoring. Based in Helsinki, Finland, the company operates in over 40 countries with regional representations. The local teams cooperate with leading distributors, system integrators, security service providers, and large customers. More than 70,000 customers use Mirasys systems with over one million connected cameras.





THE VMS PIONEER: BENEFIT OF OVER 20 YEARS OF EXPERIENCE AND INNOVATION TO SECURE THE FUTURE OF COMPANIES AND CITIES.

- OVER 1,000,000 CONNECTED CAMERAS
- 70,000+ CUSTOMERS
- OPERATIONS IN OVER 40 COUNTRIES
- LATEST TECHNOLOGIES
- INTEGRATION POSSIBILITIES
- MICROSOFT GOLD PARTNER
- ONVIF CONTRIBUTING MEMBER

MIRASYS OPEN VIDEO MANAGEMENT SYSTEM



The MS Windows based Mirasys VMS provides numerous features that allow partners and customers to fulfil the requirements of various market verticals easily. Its scalability from stand-alone installation to networked systems with hundreds of sites enables unique possibilities. The software supports thousands of cameras in one centrally-managed environment. All cameras can be managed using a single system, regardless of the location of the cameras. The system provides a user interface that is available in 22 languages to allow more convenience for international users.

Via integration options on all architecture levels, the VMS supports process optimisation, security, business data analyses with AI tools and seamless connection to other operation relevant sensors and systems. As a result, all collected data can be efficiently utilised to make better decisions and reduce cost.

Mirasys Video Management System: Spotter version 9



Mirasys Spotter V9 comes to disrupt the video management system market. Reinforcing Mirasys positioning as a deep vision data company, Spotter V9 provides the best VMS solution according to the project needs including for all Enterprise Plus channels the Video Content Analytics (VCA).

Spotter V9 is structured in four VMS product models: Base, Pro, Enterprise and Enterprise Plus. Based on the number of cameras, servers and simultaneous users, you can choose the VMS solution your project requires.

MIRASYS SPOTTER V9	Base	Pro	Enterprise	Enterprise Plus
Max. Cameras per server	20	50	250	250
Max. Servers	1	3	150	unlimited
Audio	-	-	2 per channel	2 per channel
Text data channels	-	-	64 / server	64 / server
Simultaneous users	2	5	10	unlimited
MJPEG, MPEG-4, H.264, H.265/HEVC	√	√	√	√



MIRASYS SPOTTER V9	Base	Pro	Enterprise	Enterprise Plus
Streaming modes				
Unicast: camera-VMS-workstation	√	√	√	√
Unicast: camera – workstation (Trucast)	√	√	√	√
Multistream: many (resolution) streams from a camera	√	√	√	√
Multicast: one stream from VMS to multiple recipients	√	√	√	√
Recording triggers				
Continuous, Motion- or no motion-based recording	√	√	√	√
Event (alarm)-triggered recording	-	√	√	√
Camera pre- and post recording from alarm	-	√	√	√
Video Wall				
Multiple monitors for single spotter	√	√	√	√
Multimonitor controller option for operator console ("Monitor manager")	-	-	√	√
Video matrix controlled from separate PC (L)	-	-	√ (L)	√ (L)
Alarm triggers				
Motion / no Motion	√	√	√	√
No signal in camera	√	√	√	√
Camera Metadata	-	-	√	√
Audio high / low	-	-	√	√
Text data	-	-	√	√
Digital input	√	√	√	√
Virtual digital input (Loopback I/O)	-	-	√	√



MIRASYS SPOTTER V9	Base	Pro	Enterprise	Enterprise Plus
Alarm actions				
Email	√	√	√	√
Camera Pre-and Post trigger recording	√	√	√	√
Audio recording	-	-	√	√
Motion detection mask setting	√	√	√	√
Increase frame-rate or resolution	√	√	√	√
Move PTZ to pre-set/tour	√	√	√	√
Alarm popup, Disable further alarms	-	√	√	√
Digital output	√	√	√	√
Data Storage				
No built-in storage limits	√	√	√	√
Large and different sized drives HDDs	√	√	√	√
Network storage (NAS, SAN)	-	√	√	√
Dynamic expandability	√	√	√	√
Scheduled archiving	-	-	√	√
Video analytics				
Camera Edge Analytics: support via text channel	-	-	-	√
In-built: Video Content Analytics (VCA): Object presence, enter, exit, appeared, disappear, stop, dwell, direction, speed, Tailgating, Abandoned, Removed, Counting, Tamper detection	-	-	-	√
Data export				
Still: .JPF, .BMP, .GIF, .TIFF, .PNG	√	√	√	√
Video: .ASF, .AVI, .MATROSKA, .SEF	√	√	√	√



MIRASYS SPOTTER V9	Base	Pro	Enterprise	Enterprise Plus
Watermarking: .AVI, .SEF	√	√	√	√
Password protection: .SEF	√	√	√	√
Encryption: .SEF	√	√	√	√
Blurring & privacy masks: .SEF	√	√	√	√
Storyboard: Structured multi clip export with comments	-	-	√	√
Device support				
8000+ supported camera models	√	√	√	√
Onvif S, G support	√	√	√	√
Joystick controllers	√	√	√	√
End-user Experience				
22 languages supported	√	√	√	√
Live view, playback	√	√	√	√
Scalable Activity (time) bar: (records, bookmarks, alarms)	√	√	√	√
Map	-	-	√	√
Configurable grid layout	√	√	√	√
o Virtual cameras (multiple views from one camera)	√	√	√	√
o Mixed mode (playback & live view from same camera)	√	√	√	√
o Image tools (B&W, colour invert, Contrast, Edge sharpen, flip, Mirror)	√	√	√	√
o Tabs	√	√	√	√
Full screen image maximize	√	√	√	√
Device tree (devices, layouts, saved tabs, plugins)	√	√	√	√
o Search tools	√	√	√	√
o Camera carousel	√	√	√	√



MIRASYS SPOTTER V9	Base	Pro	Enterprise	Enterprise Plus
o Alarm tools (alarm list, alarm popups)	√	√	√	√
Customizable user interface	√	√	√	√
o Admin: User permission based	√	√	√	√
o End-user: User permission & Personally configurable	√	√	√	√
o In-built help document	√	√	√	√
Mobile client				
IOS Mobile client	√	√	√	√
Android mobile client	√	√	√	√
Web Browser via Gateway	√	√	√	√
PTZ control				
UI- (mouse) and Joystick based control	√	√	√	√
Pan, Tilt, Zoom	√	√	√	√
Direct X support	√	√	√	√
o User configuration for new joystick models	√	√	√	√
o Shareable configurations	√	√	√	√
o Multiple ready-made configurations	√	√	√	√
Configurable camera tours	√	√	√	√
Alarm triggerable tours & positions	√	√	√	√
Search functionalities				
Search by time stamp	√	√	√	√
Motion search	√	√	√	√
Thumbnail video history search	√	√	√	√
Text data search	-	-	√	√
Watchdog event history search	-	-	√	√



MIRASYS SPOTTER V9	Base	Pro	Enterprise	Enterprise Plus
Audit trail, Alarms (separate reporting tool)	√	√	√	√
Digital output drivers				
Camera digital output	√	√	√	√
External Digital output module	-	√	√	√
http, TCP, UDP calls	-	-	√	√
External application call (with parameters) (UOD)	-	-	√	√
Logical I/O	-	-	√	√
Failover servers				
Hot standby	-	-	√	√
Failover groups	-	-	√	√
Data archiving				
Archiving of recorded video data to local or network drive	-	-	√	√
Manual or scheduled functionality	-	-	√	√
Privacy				
Permission control per user- & camera groups	√	√	√	√
Privacy masks (in camera, in VMS)	√	√	√	√
Facial blurring (online, offline, export)	√	√	√	√
Movement blurring (online, offline, export)	√	√	√	√
Logging (via Grafana)				
Full logs per system component (in System Manager)	√	√	√	√
User audit logs	-	√	√	√
System monitoring (Watchdog) event logs	√	√	√	√

MIRASYS SPOTTER V9	Base	Pro	Enterprise	Enterprise Plus
Integration Interfaces				
Camera I/O	√	√	√	√
External I/O unit control	-	√	√	√
Text channel inputs – (TCP, UDP, HTTP, RTSP/ RTP, RS-232)	√	√	√	√
Gateway connector C# SDK	-	√ (L)	√ (L)	√ (L)
Configurable & multi-instance web browser plugin	-	-	√	√
Spotter plugin (Embedded end-user applications	-	-	√	√
HTTP interface for Spotter	-	-	√	√
Watchdog triggers for external systems (SMTP, TCP, SMS)	-	-	√	√
Camera support				
Automatic camera search	√	√	√	√
Over 2500 individually tested camera models.	√	√	√	√
Support for over 8000 individual models with native driver	√	√	√	√
Onvif and PSIA compatible	√	√	√	√
Analog encoders	√	√	√	√
PTZ control	√	√	√	√
360 deg camera dewarping	√	√	√	√
Other				
Camera health audit report	-	-	√	√
System diagnostics	-	-	√	√
Dual authentication	√	√	√	√
2-factor authentication (mobile phone based, offline)	√	√	√	√
Automatic ABUR	-	-	√	√

(L) Additional license cost

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