



MIRASYS 9.9.3 RELEASE NOTES

Release date 18 June 2025

Important Notes

1. Mirasys VMS V9 is only available as a 64-bit version.
2. A V9 Master Server (Management Server) can handle 64-bit V8 and V9 servers.
3. The Complete Installer will automatically install the SQL Server Express 2019 or upgrade an earlier SQL installation to 2019 on 64-bit systems.
4. A 32-bit (x86) SQL Server Express 2008 version will not be upgraded to the 64-bit (x64) SQL Server Express 2014. Update SQL manually before updating from an old 32-bit V7 to the latest 64-bit version!

Supported OS

- Windows 10 IOT/Pro
- Windows 11 (V9.4 or later)
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022 (since V9.5.0)

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VMS V9.9.3 Fixes

System

- Communication configuration values are updated on servers and clients, and the values used are logged in the client logs.
- Client applications do not create a large number of threads for NATS communication.
- Memory usage in clients and servers was optimized by removing duplicate data from the data structures.
- The setting restoration works as intended if the services and client run on a PC other than the main server.
- Installers use the folder defined at the last installation time on upgrade by default.
- Configuring NATS to use a port other than the default 4222 port is possible using the *nats-server.conf* config file.
- The administrator can forcefully log out the Spotter user in System Manager when Spotter is configured to log in automatically.
- The VMS installer stops on error if the NATS keys cannot be created.
- The XMC license feature is removed from the license and enabled by default, allowing the SMServer to create database connections without a license.
- Broken or failover recorders do not send events to clients.

System Management Service

- Terminated alarm search logging was moved to the debug level.
- The Watchdog event database operations are more resilient to database connection errors.
- The thread allocation for alarm search is optimized.
- Failover works as intended when there is more than one failover server.
- The VMS server failover settings change doesn't cause a settings update on clients.
- When the VMS server is set to failover server, all devices are cleaned up and removed from the profile.





VMS Service

- The VMS service works as intended when the ONVIF profile M trigger with empty parameters is received.
- Active alarms are ended when the VMS service settings are changed.
- VMS service file storage index saving works as intended.
- The VMS service registration and unregistration work as intended.
- The VMS server restart works as intended on a settings change.
- The VMS server recovers from the live streaming errors as intended.

System Manager

- If a log file cannot be exported, the correct error message is written to the log, and the export process continues for other log files.
- The Moxa PTZ settings work correctly in the System Manager.
- The RTSP streaming server license is checked from the VMS server license.
- The System Manager application shows the correct icon in the Windows taskbar.
- Removing a multi-channel device works as intended when another device is added inside its channel range.
- The camera settings export and import work as intended when ';' and ',' characters are used in the name and other text fields.
- Deleting old data and writing new data to the database works as intended when the database is full.
- Text for the "Highest filtered alarm priority" in the alarm settings is fully visible.
- Selecting the VCA trigger zone without available events in the alarm settings works as intended.
- System Manager automatically reconnects to get the events if the keep-alive event is not received.
- When creating a settings backup, the saving dialog works as intended.
- VMS service diagnostics in the System Manager show the version of the I/O drivers.
- The motion mask settings are displayed correctly in the camera settings.
- Exporting the cameras to CSV from the file menu works as intended when the camera description contains new line characters.





- The user can define an end zone for the metadata trigger in the alarm settings if the metadata trigger has several zones that are not used for other alarms.
- Selecting and deselecting all Spotter roles works as intended.
- The VMS server search works as intended.
- ONVIF topics in the alarm trigger settings are fully visible, and the dialog can be resized.

Spotter

- Settings loading in the Spotter startup are optimized to work faster.
- Spotter functions as intended when a user attempts to save settings and loses connection to the main server.
- Camera view closing works as intended in the Zoom plugin.
- VLC player plugin streaming is stopped when the tab is hidden and restarted when the tab is shown.
- The VLC player works as intended when the Spotter settings are changed.
- The VLC Player plugin components have been updated to the latest versions.
- Profile tree icon loading works as intended.
- Spotter UI resource loading works as intended.
- Plugin instance limit works as intended, and the user can open up to a limited number of plugin instances.
- Alarm search thread usage was optimized.
- Profile loading works as intended when the connection to the main server is lost.
- Showing alarms in the timeline is set off by default and can be enabled from the timeline context menu.
- Exiting from the Spotter works as intended.
- Spotter works as intended when the mouse cursor is moved over the Spotter timeline.
- Loading UI resources works as intended.
- Image export to the default location also works after the "Don't show this dialog again" option has been selected.
- The frame rate is displayed correctly in the camera tooltip info.





- The audit trail event is saved as intended when Spotter is locked and exits due to a loss of the main server connection or a forced log out.
- The .html file is included in the ASF exports.
- A defined storyboard draft directory is used when a draft file is saved and loaded.
- The event queue size is increased to 1024.
- Spotter works as intended when the alarm object has invalid (null) properties.
- Filtering alarms in the timeline works as intended.
- The profile tree response time is optimized.

Spotter Web

- Spotter Web backend manages the user session as intended.

Driver fixes

BoshIPCapture v1.7.9.0

- The additional streams for the Bosch NDV-5704-AL camera are detected with valid capabilities. There is no frame sending error in the VMS log.

WisenetIPCapture v1.2.19.0

- The Wisenet driver uses the same session key for all RTSP connections for NVRs.
- The PTZ move is working as intended.
- Edge storage is working as intended.

MoxaPTZ v1.7.4.0

- The DVRServer initialization works as intended if there is no connection to the Moxa device.
- Disconnection to the Moxa device doesn't affect the DVRService operation.
- The Moxa input states are not changed during the VMS server initialization.
- The Moxa input state is in an unknown state until the state is received from the device.





AxisIPCapture v2.9.9.0

- The driver settings XML file was updated to use the default camera-side dewarping, and information was added for possible dewarping options.

Known issues

- When a VMS server is changed to a failover server, alarm configurations are not cleared from the target server's system data. It is recommended to use a clean VMS target server setup or to remove all devices and alarms from the target VMS server configuration before changing it to a target failover server.
- When using the VCA counter rule with the occupancy section, the alarm is not triggered.





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