

VideoManager 24.4 Release Note

Software updated in 24.4.1.5

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- Motorola Solutions VideoManager Portable Service
- V500 firmware
- VB400 firmware
- VT50 / VT100 firmware
- DockController firmware
- Smart Dock firmware
- User Import Tool

Changes since 24.3.1

New Feature: Export to Axon's evidence.com

A new integration with Axon's Evidence.com platform is now available. Users can now export recorded media directly to Evidence.com, including redacted clips and metadata.

Enhancement: V500 support for VB SmartControl

The V500 now includes support for the VB SmartControl mobile app.

New Feature: Metadata Overlay Redaction

It is now possible to redact individual elements of video overlay metadata during the export process. This allows you to selectively protect sensitive information, such as officer IDs, while exporting clips for specific purposes.

New Feature: Enhanced Video Download Security

New controls have been implemented to restrict unauthorized video downloads via browser extensions, enhancing content security and compliance with data security standards.

Enhancement: Playback Watermarks

Playback watermarks have been enhanced, providing greater control over the display of watermarks. Agencies can customize the placement, size, and appearance of watermarks to better suit their needs and preferences.

Enhancement: Import/Export Confirmation Process

A new import/export confirmation process for VideoManager has been introduced, ensuring secure and efficient data exchange between different user groups. This configuration is ideal for scenarios where video content is produced by one group (e.g., police officers) and consumed by another (e.g., court personnel).

New role permissions

Permission	Section	Notes	On upgrade, granted to
Change export priority	Incident permission/Incident	-	System administrator
Hide playback watermark when redacting	Media permissions/Media	-	Roles with "New/Existing/Duplicate Manual redaction" permission

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-19987	The V500 now supports recording reminder alarms, ensuring officers are aware that their body camera is actively recording.
AZMV-17518	The V500 now supports silencing audio notifications, including low battery alerts, using a designated button gesture. Visual and vibration alerts remain active, ensuring critical notifications are still visible.
AZMV-19572	The V500 device information page and the equipment report includes the eSIM EID, allowing administrators to easily access this crucial information for eSIM provisioning with network operators.

AZMV-16130 AZMV-16135 AZMV-16137 AZMV-16136 AZMV-16141 AZMV-16142 AZMV-16144	Multiple accessibility improvements have been made across the website providing a better experience for all users.
AZMV-19213	When you delete a dock, the settings for the shared RFID reader that was connected to it are also removed. This ensures that all settings are kept up-to-date and prevents any confusion about which reader is connected to which dock.
AZMV-19213	Fixed a bug that caused site names to remain stuck on the old name after renaming. This issue led to inaccurate metadata and processing errors. The fix ensures that site names are accurately reflected in the Central VideoManager.
AZMV-20791 AZMV-21640	Improved the stability of the dock connection to VideoManager.
AZMV-20759	Advanced settings have been added to change the reporting format to accommodate network restrictions preventing the use of certain file types.
AZMV-14493 AZMV-14495 AZMV-14513 AZMV-14529 AZMV-14536 AZMV-20316	Improved the system that help catch and fix potential problems in your software, making it more stable and reliable.
AZMV-15836	Tactical VideoManager now has a clearer and more intuitive view of your devices on the map. Now you can see all connected devices, including those not currently streaming but with location data available.
AZMV-20586	The website font has been updated for a more modern and visually appealing experience.

AZMV-20468	Fixed search result count after bulk deleting incidents.
AZMV-19735	The "Motorola Radio BT Smart Ready Connection" setting has been removed from the VB400 device profile to prevent unsupported configurations from being assigned to users.
AZMV-21538	Removed unsupported X-100 gestures from V500 device profile.
AZMV-20302	V500 SmartDock firmware is now bundled in with VideoManager.
AZMV-19706	Fixed an issue where editing built-in custom fields without a title would overwrite the existing title with an identifier.
AZMV-19725	Improved the reliability of AWS S3 storage by addressing issues related to unstable and slow network connections and better handling of errors deleting files from S3.
AZMV-20875	Added new configuration options for the V500 to control frame rate and shoulder LED behaviour.
AZMV-15789	MAC address is now displayed correctly on the V500 SmartDock page.
AZMV-20043	Battery percentages on the devices page will show the battery percentage when fully charged.
AZMV-20182 AZMV-20478 AZMV-20798 AZMV-21313 AZMV-20184 AZMV-20184 AZMV-20412 AZMV-20384	Security update: Upgraded third-party libraries to strengthen our security measures. These updates include vulnerability fixes and best practice improvements.

Minor enhancements and bug fixes (V500)

Issue Id	Summary
AZMV-10388	The VB SmartControl mobile application is now supported.
AZMV-10934	The "Recording alarm" feature is now supported.
AZMV-19319	Audio alarms can now be silenced with the configurable "Mute alarms" gesture. Audit log entries will be generated on mute & unmute.
AZMV-18560	Vibration feedback is now provided when the "Connect device" gesture is used.
AZMV-20834	Add support for metadata overlay redaction in Motorola Solutions VideoManager.
AZMV-20199 AZMV-20200	Improve battery runtime.
AZMV-20194 AZMV-20195	Reduce frequency of GPS locating reporting over LTE to once every 60s to improve battery runtime. While live-streaming, the reporting frequency is increased to once every 5s.
AZMV-20197	Make it possible to disable the display of the shoulder recording LED in order to improve battery runtime.
AZMV-20761 AZMV-20641	Resolved issue where pockets could become unresponsive on the Smart Dock.
AZMV-21125	If a device restarts while recording due to an unexpected failure, attempt to restart the recording.
AZMV-21424	The device could fail if docked and undocked rapidly with prerecording enabled.
AZMV-21427	The device could fail on recording start with GPS enabled.
AZMV-14641	The device would record at 30fps when configured to record at 25fps.
AZMV-21447 AZMV-21488 AZMV-21337	The device could fail if left running for long periods.

AZMV-22020 AZMV-20138	
AZMV-21541	The device can now be automatically restarted by Motorola Solutions VideoManager during a maintenance window while docked to perform a health check
AZMV-21652 AZMV-21706	The device could encounter unrecoverable internal storage errors.
AZMV-22072	The device has additional protection against footage loss due to reformatting that could previously be triggered by internal storage errors.
AZMV-21644 AZMV-19824	The device will now display a maintenance status if an unrecoverable error occurs on the internal storage. Devices should be returned for repair & potential recovery of recorded footage.
AZMV-20635	The device could occasionally hang during shutdown.

Minor enhancements and bug fixes (DockController)

Issue Id	Summary
AZMV-22013 AZMV-20816 AZMV-20817 AZMV-20818	Disable DNSSEC enforcement as it's incompatible with many customer networks. It can be re-enabled, but problems may remain.

Minor enhancements and bug fixes (Smart Dock)

Issue Id	Summary
AZMV-22013 AZMV-20816 AZMV-20817 AZMV-20818	Disable DNSSEC enforcement as it's incompatible with many customer networks. It can be re-enabled, but problems may remain.

Software updated in 24.3.1

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- User Import Tool

Changes since 24.2.2

New Feature: Assisted Redaction

Assisted redaction, a powerful tool for quickly and efficiently redacting sensitive information from your videos. Leveraging AI technology, the system automatically detects and obscures objects such as faces, license plates, and other identifiable features, streamlining the privacy protection process. Key features include:

- Automatic Object Detection: The system automatically identifies and redacts sensitive objects, saving time and effort.
- Various Redaction Types: Apply different types of redactions, including blurring, pixelating, or solid masking of the detected objects.
- Manual Adjustments: Gain precise control over the redaction process by manually adjusting the redaction areas for optimal accuracy.

This feature is only available to cloud customers and requires a license.

New Feature: V700 live streaming

V700 live streams are now seamlessly integrated into VideoManager EX, allowing for easy sharing via ONVIF and convenient viewing through TVM and Live-View. Only available with V700 firmware V24.3.1.21 and above.

New role permissions

Permission	Section	Notes	On upgrade, granted to
View/Edit/Duplicate Assisted redaction	Incident permissions/Incident clips	3 permission s	System administrator

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-19477	In certain situations, failed automated media import processes caused the media import queue to become blocked, preventing the import of new media.
AZMV-19564	It was not possible to clear the search filters applied when viewing results specific to a new media notification (e.g., "newly owned," "newly shared," or "newly downloaded"). This meant that users were stuck with the filtered results and could not easily view all their media.
AZMV-18794	Sites with a poor connection to a Central VideoManager occasionally became stuck during uploading footage.
AZMV-14579	The dashboard would previously show an incorrect server time during the last week of December and the first week of January.
AZMV-17028	Incident clips generated from M500 footage will now consistently use the first available audio channel. Previously, alternate channels were used, potentially leading to inconsistent audio in incident clips.
AZMV-16489	Configuration downloads for the M500 now require a user-defined password. This password will be used to encrypt the downloaded ZIP file. To apply the configuration, the same password must be entered on the M500 display.
AZMV-17360	The time picker popup now has optimized spacing between hours and minutes, reducing unnecessary space and improving readability.
AZMV-17412	The "Discard Changes" warning appeared unnecessarily after saving changes on the Site Manager page, even when no further changes had been made.
AZMV-17416	The "Discard Changes" warning appeared unnecessarily for incidents with a Text List field, even when no changes had been made. Fixed a bug where the maximum items validation for Text List fields was intermittently failing to trigger.
AZMV-17771	Improved the visual appearance of the confirmation checkmark in the initial User Agreement dialogue by correcting its alignment.

AZMV-18194	When filtering the docks page by "Smart Dock" or "Dock Controller" and refresh the page, your chosen filter will stay in place.
AZMV-18346	Mobile app provisioning now offers users with a VB Companion license the choice between VB Companion and VB SmartControl. Users without a VB Companion license will automatically use VB SmartControl.
AZMV-19665 AZMV-18634	Enhanced Help section with a refreshed design and enriched content
AZMV-18449	Security update: update several system components

Minor enhancements and bug fixes (V500)

Issue Id	Summary
AZMV-16615	The V500 now supports FIPS mode.
AZMV-18287	To assist with eSIM provisioning in some countries, the device now reports the EID to Motorola Solutions VideoManager.
AZMV-15770 AZMV-16592	The available runtime while on battery has been improved.
AZMV-16883	Improvements have been made to the quality of recorded video.
AZMV-16203	The V500 did not support an LTE APN configuration with multiple APNs where one of those APNs does not specify the Mobile country & network codes.
AZMV-15785	Firmware upgrades that fail while the device downloads large firmware components will now resume the download where they left off, improving the overall reliability of upgrades.
AZMV-16115	The haptic feedback when transitioning from pre-record to record was incorrect in automatic pre-record mode.
AZMV-17813	The device could become inoperable when an experimental configuration for testing a new feature was used.
AZMV-16611	Security update: use latest version of OpenSSL.
AZMV-16722 AZMV-17027	Security update: update several system components.
AZMV-16854	The security of the system has been improved against attackers with physical access to the internals of a V500.

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
AZMV-18998	Support for the latest revision of the hardware has been added.
AZMV-16615	The FIPS implementation has been changed.
AZMV-15785	Firmware upgrades that fail while the device downloads large firmware components will now resume the download where they left off, improving the overall reliability of upgrades.
AZMV-18673	The "Connect device" gesture for allowing connections to VB SmartControl would not always work after docking and undocking the VB400.
AZMV-19600	The device could fail to restart shortly after being shutdown if Bluetooth related functionality was enabled.
AZMV-16611	Security update: use latest version of OpenSSL.

Minor enhancements and bug fixes (VT50 / VT100)

Issue Id	Summary
AZMV-16612	Security update: use latest version of OpenSSL.

Minor enhancements and bug fixes (DockController)

Issue Id	Summary
AZMV-16613	Security update: use latest version of OpenSSL.

Minor enhancements and bug fixes (Smart Dock)

Issue Id	Summary
AZMV-17048 AZMV-18679 AZMV-19052	Support has been added for the V200 Smart Dock.
AZMV-17185	Support for Ethernet 802.1x authentication was not enabled.
AZMV-17191	Pre-release support for RTA was inadvertently enabled.
AZMV-16613	Security update: use latest version of OpenSSL.

AZMV-17267	The security of the system has been improved against attackers with physical access to the internals of a Smart Dock.
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Minor enhancements and bug fixes (EdgeController)

Issue Id	Summary
AZMV-16611	Security update: use latest version of OpenSSL.

Software updated in 24.2.2

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- Motorola Solutions VideoManager Portable Service
- EdgeController firmware
- User Import Tool

Changes since 24.2.0

New role permissions

There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-18197	Fix a database performance issue when querying the user table.

Software updated in 24.2.0

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- Motorola Solutions VideoManager Portable Service
- EdgeController firmware
- User Import Tool

Changes since 24.1.8

New role permissions

There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-13527	Docks in RTA mode can now provide an APN configuration for assigning LTE devices such as the V500.
AZMV-13264	Disabling a site from a CVM and selecting to break that link will clear out all configuration.
AZMV-14197	Configuring an external database using a connection string will always be case sensitive. Validation has been improved to highlight when the case does not match.
AZMV-15490	An unbounded devices cache was causing delays allocating devices via RFID.
AZMV-8108 AZMV-8109	When creating and editing user-defined field Text Lists did not validate the default values.
AZMV-15747	Occasionally, when a M500 or an V700 disconnects from VideoManager, VideoManager would continue to send messages to the devices resulting in exceptions in the logs.
AZMV-15812	V500 eSIM provisioning status was not updated immediately when the device is assigned or provisioned again before the temporary status clears.
AZMV-16097	Devices that support eSIM provisioning can now be provisioned from the 'detailed' device list view.
AZMV-15872	In high-volume systems M500s and V700s would occasionally have to repeat its initial connection with VideoManager.
AZMV-16020	Some cloud environments had the webpage's styling affected due to an incorrectly set charset when injecting theme styles into the stylesheet.
AZMV-14697 AZMV-14698	M500s can now be configured to automatically logout an officer on shutdown.
AZMV-15069 AZMV-15070	M500s can now be configured to allow an officer to override the backseat passenger detection.
AZMV-15069 AZMV-15070	M500s can now be configured for Peer Assisted Recording.
AZMV-14889	V700s and M500s which lose connection to VideoManager will reliably disconnect after the expected duration.

AZMV-16768	The recording section in the M500 device profile page has been reorganised to simplify the interface.
AZMV-15404	App URLs that referenced 'dock-controller' have been replaced with 'dock' or 'docks'.
AZMV-15605 AZMV-15606	Incident composite clips created from M500 footage where one video stream had a delayed start will now automatically apply the necessary start delay to synchronise the video.
AZMV-6345	Licences are enforce a max licence file size of 1MB (licences are typically ~5KB).
AZMV-16741	RTA scans with no available devices or unrecognised users will no longer generate an empty device item in the devices list.
AZMV-16538	M500 events with streams of varying durations will now consistently use the correct event duration.
AZMV-16571 AZMV-16572	Headings and navigation links have better naming recognised by assistive technology for improved accessibility.
AZMV-16368	PCM was removed as an unsupported audio codec from the V500 device profile. Existing V500 profiles that had PCM selected may not be able to export the videos. These profiles must be recreated.
AZMV-16272	Grid workers operating in standby mode (without affinity to the active core) will no longer restart unexpectedly.
AZMV-16369	Reconfiguring the CCAware service will no longer produce delays in certain actions or cause excessive logging in the application logs.

Software updated in 24.1.8

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- EdgeController firmware
- User Import Tool

Changes since 24.1.3

Enhancement: SIM status support

Devices that support a SIM or an eSIM will now display the SIM status the device's detail page. Those devices can be found using the new SIM status filtering options on the devices page.

[AZMV-14512,AZMV-14715]

Updated role permissions

Permission	Section	Notes	On upgrade, granted to
View/Edit LTE APNs	Advanced permissions/Settings	2 permissions	roles which previously had permission to view/edit device profiles

[AZMV-15896]

New role permissions

There are no new role permissions

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-14547	Previously, changing the device family when creating a device profile would attempt to apply the settings changed on to the new device family. This can lead to some settings not being applied correctly. Now there will be a warning to indicate the device profile will be reset to the defaults for the chosen device family.
AZMV-12534	A warning is produced when trying to delete a dock that belongs to an assignment group.
AZMV-13210 AZMV-14490 AZMV-14716 AZMV-14718 AZMV-15625 AZMV-16002	Multiple changes to the V500 device profile. This includes support for notification and alarms, cleanup of the supported gestures and improved feedback on any missing gestures to enable features that have been turned on in the profile.

AZMV-16197	
AZMV-14741 AZMV-15662	Removed VB SmartControl and the 25 FPS options from the V500 device profile.
AZMV-13517	The SmartDock firmware upgrade progress indicator is now more accurate and detailed.
AZMV-14740 AZMV-15906 AZMV-15907 AZMV-15914	Made improvements to the LTE APN configuration to include better validation and feedback.
AZMV-1449	The option to enabled Resilient Touch Assign (RTA) on a DockController in 'open' mode has been removed.
AZMV-14475	The non-feed video API was using the start date value rather than end date resulting in the filter producing incorrect results. This would only be noticed if this API was being used by a third-party client.
AZMV-14524	Form inputs were misaligned in some circumstances when displaying date format hints.
AZMV-14721	Assigning a network profile to a V500 that has both WiFi and LTE enabled will not send the WiFi configuration. The V500 can only use WiFi if it is assigned with a network profile that has LTE disabled.
AZMV-14739	Download and upload when referring to data taken from a device and moved into another location is now being referred to as 'offload'.

AZMV-15402 AZMV-15403 AZMV-15405	Locations on the website that make reference to both the DockController and SmartDock will now be referred to as 'docks'.
AZMV-15736 AZMV-16089	The device battery percentage will be shown even when fully charged. If the battery life extender option has been enabled then this will reduce the maximum camera charge. This may mean that the battery will show as being fully charged even if it has not reached 100%.
AZMV-15786 AZMV-15787	Improved the page layout responsiveness in some of the admin pages.
AZMV-14365	Improved device error logging in the Boundary Service.
AZMV-16181	eSIM provisioning audit logs were not appearing in VM EX correctly.
AZMV-16196	Increased the default timeout for upgrading V500 with the latest firmware. This will better support areas with poor network connectivity.
AZMV-16182	Improved the quality of a V500's audio during live stream playback.
AZMV-16850	Auto-sharing of media would share the media with the users or groups in the opposite direction.
AZMV-14839	Security improvement: Updated various third-party libraries to latest versions.

Software updated in 24.1.3

- V500 firmware
- Smart Dock firmware

Changes since 24.1.2

Initial release: V500 firmware

This is the first release of the firmware for the V500.

Initial release: V500 Smart Dock firmware

This is the first release of the firmware for the V500 Smart Dock.

Software updated in 24.1.2

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware
- EdgeController firmware

Changes since 17.3.3

Enhancement: V500 device support

Many additional V500 features have been added such as additional device profile options and various LTE configuration features such as the ability to configure APNs and provision eSIMs.

New Feature: Fleet Battery Health Indicator report

A new report has been added which reports on all VB400 devices which have recently run out of battery prematurely while in use and which might therefore have a degraded battery. Devices which were not fully charged when they were undocked or which were live streaming while in use are not included in the report.

[AZMV-6970]

New Feature: Battery charge level

The battery charge level as a percentage is now available in Motorola Solutions VideoManager while the VB400 is docked and charging. The percentage is shown next to the device charge status icon.

The battery may stop charging before reaching 100% when the ambient temperature is too high, or when the "Battery life extender" option is enabled.

The reported charge level is less accurate at the start of charging (especially below 30%) and accuracy also decreases with older batteries and in high/low ambient

temperatures.

[AZMV-13496, AZMV-7426]

New feature: Custom LED pattern for standby

It is now possible to customise the LED colour & pattern used when the VB400 is in standby. When "Custom LED patterns" is enabled under "Notifications & Alarms" in the device profile, a new drop-down is available for "Standby LED pattern", providing the available customisation options.

[AZMV-13601, AZMV-13876]

New role permissions

Permission	Section	Notes	On upgrade, granted to
Configure device for eSIM provisioning	Device permissions/Device	-	System Administrators
View/Edit LTE APNs	Advanced permissions/Settings	(2 permissions)	System Administrators

Minor features and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-9292	Device assignment would intermittently fail on a site manager if companion app is in use by not key replication from the central manager.
AZMV-13063	The Access Control Key Management page was unusable if thousands of keys were imported.
AZMV-13064	The Access Control Key Management page now has a search box and displays the total number of keys in the system (while only displaying the first few keys in the system).
AZMV-12641	Added device profile support for V700 WiFi.
AZMV-12623	Added device profile support for M500 + V700 Streaming outside of recording.
AZMV-12985	Added device profile support for M500 Keep background video.
AZMV-12777	Added device profile support for M500 left/right cameras.
AZMV-9079	Added device profile support for M500 RFID integration.
AZMV-12654	The video overlay for V700 now includes GPS coordinates.

AZMV-13393	Added device profile support for V700 SmartControl Mobile Password configuration.
AZMV-13189	Events audited when a camera is undocked now include the charge level of the device at the moment of undock.
AZMV-13385	The Sites page is now paginated and is usable even when there are a large number of sites in the system.
AZMV-13386	The Sites page now shows the total number of online and offline sites matching the filter.
AZMV-13808	An icon is now shown on the Sites page for sites which are experiencing congestion and you can now filter the Sites list to show only sites with this issue.
AZMV-13807	Only a single system warning is now raised if multiple sites are experiencing congestion.
AZMV-13808	The sites page now shows sites which are experiencing congestion and can be filtered to show just those sites.
AZMV-13190	A new audit type has been added for device shutdown events caused by low battery.
AZMV-12490	It is now possible to change the camera/microphone for an M500 live stream in the Tactical VideoManager preview panel.
AZMV-12489	It is now possible to change the camera/microphone for an M500 live stream in the Tactical VideoManager wall.
AZMV-13098	The fetch function sometimes attempted to fetch the video from the wrong site if that site had a partially downloaded copy of the video.
AZMV-13764	Client certificate authentication did not work if the user needed to accept the user agreement.
AZMV-13641	The "Operator Id" column in the operator activity report and operator record summary report was incorrectly output as "Incident Id".
AZMV-13088	If a grid worker was shutdown while writing an export to an external folder, it sometimes failed when export processing restarted.
AZMV-9092	If processing of an export writing to an external folder was restarted, the server now reuses the same export folder rather than creating a duplicate folder with a different date.
AZMV-12412	Security improvement: Updated various internal libraries to latest versions including Jetty webserver.

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
AZMV-7145	Device audit log entries are now created when live streaming is started and stopped.
AZMV-13601	The standby LED indication was not working when custom LED indications were configured for recording or pre-recording.

Software updated in 17.3.3

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware
- EdgeController firmware
- DockController firmware

Changes since 17.2.1

New Feature: V500 Device Support

Support has been added for V500 and V500 Smart Dock devices, including a new device profile type and new device list filter options. An option has also been added to allow factory reset of a V500 Smart Dock.

Enhancement: VB400 WiFi roaming

WiFi access point roaming is now supported on the VB400. Note that roaming is initiated by the access point, and may cause roaming to a band that the device may otherwise be configured not to use in the WiFi profile.

[AZMV-9688]

New role permissions

Permission	Section	Notes	On upgrade, granted to
View/Edit Dock Controller settings	Advanced permissions/Settings	2 permissions	System administrator
Resilient Touch Assign configuration	Device permissions/Management	-	System administrator

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-11264	Officer preferences are now replicated between sites and central manager.
AZMV-11549	Fixed a user import issue where group data could not be imported if Active Directory server had an LDAP max page size configured.
AZMV-3220	Accessibility: HTML heading structure has been improved on many pages to improve the experience for users using screen readers.
AZMV-11773	Accessibility: Improved test contrast in some area of the user interface.
AZMV-12172	After enabling email notifications, notifications for device stream start were not sent until the server was restarted.
AZMV-8654	Audit events generated by the user import tool are now recorded against the user who manually runs the user import tool.
AZMV-11105	The first login for a user using Windows single sign-on would sometimes fail.
AZMV-9102	If two recordings were made within 5 seconds of each other, VideoManager would treat recordings as if they overlap.
AZMV-6520	Fixed a bug where downloads from M500/V700 devices occasionally reported progress over 100%.
AZMV-6189 AZMV-9925	Add settings to control which "video wall" options are available in Tactical VideoManager.
AZMV-11092	Fix an issue where device locations were not correctly displaying in Tactical VideoManager.
AZMV-9926	Tactical VideoManager now displays all connected devices (not just those with a live stream available).
AZMV-10773	The equipment report could occasionally fail to run soon after adding a new DockController.
AZMV-9077	Added support for RFID assignment on the M500.
AZMV-10799	Add support for location searches by latitude/longitude.
AZMV-12212	Ensure that no WiFi profile is configured on a VB400 using VB SmartControl.
AZMV-11780	Fixed a bug where the device list would fail to load if a V700 was configured as an OnStream output.

AZMV-11894	The list of timezones in timezone selection drop-downs was not in the correct order.
AZMV-11954	The system displayed a poor error message if you attempted to download M500 configuration with no public address defined.
AZMV-11731	The risky option to skip database backups at busy times has been removed.
AZMV-8975	Column header names in CSV report can now be overridden with language packs.
AZMV-8975	Field names in CSV report metadata files can now be overridden with language packs.
AZMV-5934	Fixed the focus behaviour on keyboard shortcuts popup window.
AZMV-10926	In the API key management page, keys for companion app were shown with an incorrect role name.
AZMV-7368 AZMV-7369	Added the ability to import/export incident share reason field definitions.
AZMV-3127	It was possible to attempt multiple simultaneous manual firmware upgrade requests on a single DockController.
AZMV-10043	The import button is now disabled on the transcript page when the page is in read-only mode.
AZMV-9094	Failed imports are now not retried after the max retries has been reached.
AZMV-11668	Fixed a memory leak which could cause the server to run out of memory if it was repeatedly unable to connect to the database at startup.
AZMV-12059	Improved the logging if the system failed to startup due to an internal listen port already being in use.
AZMV-10775	Fixed a problem where using SSL servers in a grid environment with client certificate authenticated devices could result in certificate verification errors.
AZMV-10778	Improved download efficiency when using client certificate authenticated devices in a grid environment.
AZMV-10444	The manage-service command-line tool can now be used to edit the SSL certificate for client certificate authenticated device listen addresses.
AZMV-9884	Security Improvement: Updated okio-1.15.0.jar used by user import tool

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
AZMV-7462	Some devices would never complete charging in a high temperature environment.
AZMV-7466	Some devices would not be eligible for Touch Assign after completing charging in a high temperature environment.
AZMV-8283	Devices could get stuck in a loop of repeatedly failing to connect to WiFi access points, or to phones in WiFi Direct mode.
AZMV-10030	Devices could restart while disconnecting-from or reconnecting-to WiFi at the same time as renewing a DHCP lease.

Minor enhancements and bug fixes (DockController)

Issue Id	Summary
AZMV-10089	The reliability of Ethernet connectivity has been improved.

Software updated in 17.2.1

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux

Changes since 17.1.2

New Feature: M500 Roaming

Support for M500 devices to be able to roam between different instances of Motorola Solutions VideoManager in a Site/Centre configuration. M500s can be bootstrapped at one Site (or Centre), and can offload footage or accept new configuration at another. For this to work, the user must enable the 'Roaming' replication setting. This will replicate the unique Agency ID used by devices to identify Sites in their shared organisation.

In certain situations, the configuration may not match from Site to Centre. For example, if the user has not enabled replication of device profiles, or if the Site is currently Isolated (unable to reach the Centre). In that case, the device will be able to offload its footage, but will not accept new configuration.

[AZMV-8898]

New Feature: Incident share reasons

You can now configure the system so that when an incident is shared with another user, the user sharing the incident must enter a reason for the sharing.

[AZMV-7363, AZMV-7366]

New role permissions

There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-9699	Correct DockController and EdgeController firmware was not automatically selected by default.
AZMV-9388	If M500/V700 long tasks (like offloads) timed out, then the connection was occasionally getting dropped
AZMV-10034	The theme resource admin page would incorrectly reject PNG files added as a favicon.
AZMV-9173	It is now possible to configure the system to authenticate user logins with browser-provided SSL client certificates.
AZMV-10298	Sometimes Motorola Solutions VideoManager wasn't detecting M500s when they connected after bootstrapping for the first time.
AZMV-10629	M500s were being 'locked out' of system for up to 60s after Motorola Solutions VideoManager network reconfiguration
AZMV-172	International characters in User Import Tool output now display correctly in the User Import Tool admin page.
AZMV-1256	The camera/mic name is now accessible in evidence export metadata templates.
AZMV-9390	Changes to automatic import profiles did not always take effect immediately.
AZMV-9146	Security update: The embedded Postgres database has been updated to 13.12.
AZMV-9173	It is now possible to configure the system at startup to use an external Postgres database.
AZMV-3211	Record audit log entry when a Mobile App field is added or modified
AZMV-5866	Make question-circle buttons focus/hover behaviour in Permissions table consistent with rest of application

AZMV-5905	Make 'Delete default device' button in Role edit page accessible
AZMV-7409	Only show V700 State Capture button if the device reports it has State Capture capability
AZMV-7444	Apply a hard limit of zero 'free' licences for V700 devices
AZMV-7608	Always validate text list field value content against its 'Max Items' limit
AZMV-7844	Remove inapplicable 'Group Member Stop' and 'Allow Manual Stop' options from M500 device profile
AZMV-7987	Accessibility: Make the focus state clearer on toggle buttons
AZMV-8002	When changing V700 or M500 name, prevent device from resetting to previous name
AZMV-8273	Set default V700 'PreEvent Recording' time to zero seconds (i.e. None)
AZMV-8663	Changes to the Vehicle Auto Upgrade setting at CVM now immediately replicate to sites
AZMV-4493	Remove references to iOS version of VB Companion (End of Life)
AZMV-7306 AZMV-7307 AZMV-8877 AZMV-7572 AZMV-9444	Security updates: various embedded third-party libraries have been updated.

Software updated in 17.1.2

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux

Changes since 17.1.1

New role permissions

There are no new permissions in this release.

Bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-9312	M500/V700 connections are now less likely to timeout when using slower LTE connections.

AZMV-9666	Client certificate forwarding for "client certificate authenticated devices" listen ports now support certificates forwarded in PEM format.
AZMV-10044	The server SSL certificate is now configurable for "client certificate authenticated devices" listen ports.
AZMV-10252	Database upgrade could fail when upgrading certain databases with very large numbers of records.
AZMV-10290	When using automatic imports, the system could leak file handles which would eventually cause the service to fail.

Software updated in 17.1.1

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux

Changes since 17.0.4

New Feature: Export Confirmation

If you use exports to perform an automated transfer of data to an external system, you can now set the system up so that the export awaits confirmation from the external system before it becomes complete. The external system may also provide a URL linking to the external data which is visible on the export page. The external system must generate a file to confirm the successful import; the auto import mechanism can be used to detect and process these files indicating that the export is complete (which your automated integration must provide).

The VideoManager import system can now be configured to generate an "import confirmation" file after a successful import.

These two mechanisms can be combined so that if you are exporting data from one VideoManager system for automated import into a second VideoManager system, the second system can generate a confirmation file which can be forwarded to the first system to complete the export in the original system and provide a URL to the imported data.

[AZMV-7799]

New role permissions

There are no new permissions in this release.

Minor bug fix (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-8659	The battery/charge status for the V700 is now displayed correctly in the device management pages.

Software updated in 17.0.4

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux

Changes since 17.0.2

New role permissions

There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-8896	Exports larger than 5GB failed when using an S3 filespace.
AZMV-8922	Footage downloaded from V700 and M500 was occasionally recorded against the wrong device.
AZMV-8967	Importing theme resources when sandboxing has been enabled no longer results in a server error.
AZMV-8994	Exports could fail if core grid web URL was incorrectly configured.
AZMV-8809	Failed to save new V700 and M500 device profiles when the user did not have permission to edit RATF retention period.
AZMV-8881	User Import Tool (UIT) fails to load on Linux.
AZMV-8805	The service could occasionally restart when a client disconnects due to an internal deadlock.
AZMV-8763	Errors playing media were inaccurately recorded in the debug logs.

AZMV-8825	Event tags from an M500 or V700 download could be incorrectly recorded against a deleted field if an event tag definition was deleted then recreated.
AZMV-8825	Event tags from an M500 or V700 download could be incorrectly recorded when using non-English locales.

Software updated in 17.0.2

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware
- VT50 / VT100 firmware
- EdgeController firmware
- DockController firmware
- User Import Tool

Changes since 17.0.0

New Feature: Time zone improvements

It is now possible to configure the time zone used by the system to be different to the host OS time zone.

You now can now control the time zone used to create the metadata overlay on recorded videos. You can either specify a time zone for the overlay in the VB400 or VT device profile (and use different profiles for devices in different timezones), or you can specify a time zone for a DockController (which applies to all devices docked in the DockController).

[AZMV-5156, AZMV-5157, AZMV-5424, AZMV-5484]

New Feature: Device GPS location reporting

In order to make it easier to locate specific devices, the system now retains the last GPS location reported by devices which connect over LTE or WiFi. The current or last known location is now shown on a map on the device details page (if you have mapping enabled). The equipment report includes the last known GPS location and the time it was reported.

[AZMV-5520,AZMV-5625,AZMV-5626]

New Feature: M500 and V700 Record-After-The-Fact®

You can configure M500 and V700 devices to enable "Record-After-The-Fact". In this mode, devices internally capture and retain footage for a period of time even when they are not "recording". Using the web UI, you can instruct a connected device to create a recording for a previous time period from the retained footage, which will then be uploaded to the server.

For jurisdictions where this feature should not be enabled, a specific permission exists to ensure that this mode cannot be enabled.

[AZMV-5644,AZMV-5660,AZMV-5991]

New Feature: VT100 recording alarm

It is now possible to configure an alarm that makes the VT100 vibrate periodically while recording.

[AZMV-4596]

New role permissions

Permission	Section	Notes	On upgrade, granted to
View/Edit system time zone	Advanced permissions/Settings	2 permission s	System administrator
Edit Record-After-The-Fact settings	Advanced permissions/Settings	-	System administrator
Request device Record-After-The-Fact (User/Supervised/Any)	Device permissions/Device	3 permission s	roles which previously had permission to initiate device state capture
Request vehicle Record-After-The-Fact	Device permissions/Vehicle	-	roles which previously had permission to initiate vehicle state capture

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
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AZMV-3131	Transcriptions were not properly rendered when exporting an audio clip.
AZMV-4694 AZMV-4750	The performance of the system has been improved when there are many touch assigns in a short period of time and there are a large number of users.
AZMV-5080	There is now a 400 character limit on touch assign IDs in order to optimize touch assign performance.
AZMV-5152	Deleting any bandwidth rule would remove all bandwidth rules from all DockControllers.
AZMV-5622	ONVIF authentication did not work.
AZMV-132	The thumbnail quality has been improved for short videos in the gallery view.
AZMV-5820	The devices page now displays the transfer station where a V700 is docked.
AZMV-169 AZMV-170	Many non-ASCII characters were previously not encoded properly in VideoManager and User Import Tool logs. The logs are now UTF-8 encoded.
AZMV-1339	M500 Vehicle Network Profiles are now replicated from the central manager to sites.
AZMV-5284	V700 and M500 firmware images imported on a central manager are now replicated to sites to allow upgrades at site.
AZMV-3233	Editing of prepared redactions/annotations on a video or image was not previously audited.
AZMV-4653	As a security measure, all logged in users and connected devices are now disconnected when the web server is reconfigured.
AZMV-6910	It was not possible to listen to the second audio channel in the video player when playing back a VB400 video.
AZMV-5060	When exporting an incident containing footage which had not yet been fetched from a site, the system would show an error if you requested to fetch that footage.
AZMV-5155	The transcription editor now allows specific keys to control the video player even when keyboard focus is in a text input control. This feature may require configuration.
AZMV-6811	V700/M500 state capture requests were not audited.
AZMV-5217	V700 which encounter errors downloading footage now show an error status in the device list.

AZMV-5239	V700 upgrade only worked for assigned devices.
AZMV-5250	Creating a bookmark on the V700 now generates an audit event containing the bookmark label.
AZMV-5291	V700 bookmark labels are now visible in the video player bookmark list.
AZMV-5260	Setting properties with VB SmartControl could cause the web UI to show blank media file properties (rather than omitting unset properties).
AZMV-5315	Support for M500 RFID officer login has been added.
AZMV-5356	Added support for prioritised upload of critical recordings from M500 devices.
AZMV-5468	V700 would not format GPS fixes correctly if configured to show degrees, minutes and seconds.
AZMV-5840	Added support for M500 secondary upload and DNS servers.
AZMV-4603	The audit trail now captures when M500 and V700 devices auto upgrade themselves.
AZMV-1455	Error messages relating to conflicting data in the User Import Tool have been improved to show which data is causing conflicts.
AZMV-6242	M500 device profile incorrectly allowed bookmarks and photo capture to be enabled.
AZMV-6445	Fixed the M500/V700 device profile GPS configuration UI to correctly reflect device capabilities.
AZMV-2585	The formatting of audit log messages for configuration changes has been slightly improved.
AZMV-97	Accessibility Improvement: header hierarchies have been improved on admin pages to make them work better with screen readers.
AZMV-5838 AZMV-5865 AZMV-5871 AZMV-5879	Accessibility Improvement: fixed various controls in the UI which were inaccessible by keyboard.
AZMV-5531	Accessibility Improvement: every page now has a skip link to the main content.
AZMV-5803	Accessibility Improvement: it's easier to see when navigation tabs have keyboard focus.

AZMV-5800 AZMV-5806	Accessibility Improvement: keyboard tab orders have been improved in many places.
AZMV-6095	Accessibility Improvement: keyboard focus no longer automatically jumps to certain controls.
AZMV-2870	The browser will now allow you to copy data from the V700 transfer station configure page.
AZMV-4870 AZMV-5687 AZMV-7084	Security updates: updated various third party libraries.
AZMV-6680	Stability improvement: the server will automatically restart on the rare occasion that an internal deadlock is detected. Previously the server would hang and would need to be manually restarted.
AZMV-5673	Bluetooth officer preferences were not retained by the system when using the V700.
AZMV-6344	Improvements to size constraints replicating User-defined fields from CVM to Site.
AZMV-6748	Added support for M500 secondary upload server to be treated as an LTE.
AZMV-8511	Improved handling of interrupts uploading over LTE.
AZMV-8270 AZMV-8055 AZMV-7993 AZMV-6541	Improved video offloading from a M500 and V700.
AZMV-7968	Added missing allow priority upload config option to M500 device profile.

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
AZMV-5267	When connected to a WiFi network with a DNS server that is not on the same IP subnet as the VB400, the device could not resolve the Motorola Solutions VideoManager public address, and so could not connect.
AZMV-5858	There was excess distortion in the recording of very loud sounds.
AZMV-5170	Add support for configurable time zones (see above).
AZMV-5076	Changes have been made to facilitate debugging problems with WiFi connectivity.

AZMV-7007	Security update: Various libraries have been updated to address security issues.
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Minor enhancements and bug fixes (VT50 / VT100)

Issue Id	Summary
AZMV-7000	The device could restart when recording was started shortly after a previous recording was made and the device was connected to a WiFi network with both docking and streaming enabled.
AZMV-7007 AZMV-2595	Security update: Various libraries (including OpenSSL) have been updated to address security issues.

Minor enhancements and bug fixes (DockController)

Issue Id	Summary
AZMV-7007	Security update: Various libraries have been updated to address security issues.

Minor enhancements and bug fixes (EdgeController)

Issue Id	Summary
AZMV-7007	Security update: Various libraries have been updated to address security issues.

Software updated in 17.0.0

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- User Import Tool

Changes since 16.2.2

End of life: VB200 / VB300 firmware

The built-in VB200 / VB300 firmware is no longer included in Motorola Solutions VideoManager.

[AZMV-4455]

Feature: V700 device support

Motorola Solutions VideoManager can now be used to manage V700 Body Worn Cameras, including configuring them, upgrading them and downloading footage from them. A new kind of device licence is required in order to use V700 cameras.

Enhancement: Custom field localization

It is now possible to make custom fields display differently depending on the user's selected language. Each custom field can now be given a different display name for each language. For tag list and drop down custom fields, each value in the list can have a different display value for each language.

[AZMV-2665]

Feature: Certificate Forwarding mode when receiving connections from M500s and V700s

Motorola Solutions VideoManager now allows M500s and V700s connections to be forwarded by an external SSL proxy, provided that proxy can forward SSL client certificates. Authorised users can now download the Client Root CA Certificate required to configure an SSL client certificate proxy.

New role permissions

There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-3432	Mototrbo radio integration is no longer a preview feature and is available to all customers.
AZMV-4402	You can now select the current display language using a dropdown menu in the main navigation bar.
AZMV-3134	Occasionally, the system would display a broken thumbnail for a video which was being uploaded from a site.
AZMV-3251	An unwanted extra semicolon was displayed in the audit log filter panel.
AZMV-3698	Updated an out-of-date library.
AZMV-2179	Added a Transfer Station information page to assist with configuring Transfer Stations.
AZMV-2340	Added a M500 Auto-upgrade enable/disable switch.
AZMV-2056	Connections from M500s and V700s are now rejected if the device's Agency ID does not match the system Agency ID.
AZMV-3325	Connections from unsupported device types are now rejected.
AZMV-3468	M500 and V700 device field trips now appear in the Field Trip Report.

AZMV-3469	M500 and V700 device media now appears in the Media Report.
AZMV-4190	State Capture download progress did not always clear when downloads completed.
AZMV-4528	Removed excessive logging when no device firmware is available for upgrade.

Software updated in 16.2.2

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware
- EdgeController firmware
- DockController firmware
- User Import Tool

Changes since 16.2.1 & 16.1.1

Enhancement: Playback of pre-record footage without audio

When the device profile "Record audio" option is set to "Yes (except during pre-record)", the device now records silence rather than no audio at all when pre-recording. This fixes issues with playback in the SmartControl mobile application, and with compatibility of footage exported from VideoManager.

[AZMV-1210]

New role permission

Permission	Section	Notes	On upgrade, granted to
Allow streaming	Device permissions/Mobile App	-	System administrator

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
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AZMV-860	The ability of the user to enable/disable live streaming from the mobile app is now permission controlled.
AZMV-1613	The first-time setup UI now allows the administrator to provide an web server SSL certificate during initial setup. SSL is enabled by default.
AZMV-3154	Auditing of configuration changes would sometimes fail with exceptions in the log.
AZMV-2823	Grid core servers would restart unnecessarily when in standby mode.
AZMV-1090	Only the first clip of an unsaved incident containing M500 footage could be played.
AZMV-102	Accessibility: All buttons now have text compatible with screen readers.
AZMV-718	Accessibility: Toggle buttons now work correctly with screen readers.
AZMV-3232	Accessibility: All hyperlinks are now labelled so that they work with screen readers.
AZMV-1575	New filter options have been added to the Manage Exports page.
AZMV-1576	The My Exports/Manage Exports page now limit the number of exports that they display.
AZMV-2019	Security improvement: All XML handling has been protected against XXE attacks.
AZMV-2222	Redacted video was rendered incorrectly if a "full screen" brightness was applied.

AZMV-2521	It was possible to save a M500 device profile even if it had certain validation errors.
AZMV-3240	When editing the "Auto change owner" for a DockController, the save button did not always appear.
AZMV-3243	When importing certain hi-res videos, the duration of the video would change on import.
AZMV-1589 AZMV-2198	Updated out-of-date libraries.
AZMV-409	While editing an incident it was possible to click on disabled actions using the keyboard.
AZMV-868	The web server no longer restarts and thus users are no longer logged out when the web server address configuration is edited.
AZMV-4182	'Recording policy' option was erroneously displayed in the device profile editor for VB-200/300 and VT-50/100 device profiles.
AZMV-4185	When performing a bulk fetch of videos, the confirmation message was incorrectly formatted.
AZMV-4188	The filespace dialog incorretcly allowed object storage to be selected for a temporary import filespace.
AZMV-1336	Video preparations cannot be created for multi-stream M500 videos.
AZMV-2128	System would attempt to auto upgrade M500s even if no default firmware was selected.

SW-3988	A default owner can now be configured for M500s. This user will own all footage recorded by the M500 which is not associated with a specific operator.
SW-4267	Video metadata overlay is now always shown by default when playing M500 videos.
AZMV-2364	Configured Wireless Mic Status Text flag was not being passed to M500.
SW-4241	Scheduled reports which cross a year boundary were run with the wrong end date when using a custom report schedule.
SW-4018	The live location of an M500 can now be displayed on the Tactical View (if licensed).
SW-709	The Tactical View has had various improvements to make it work better when displaying large numbers of devices.
SW-4198	The size of the M500 RATF (record after the fact) buffer is now configurable in the M500 device profile.
SW-4197	The system now records more frequent GPS fixes for M500 devices, increasing the fidelity of mapping for M500 videos.

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
SW-4059	MXP600 radios did not maintain their Bluetooth connection to the VB400 if WiFi was enabled or disabled.
AZMV-4223 AZMV-2834	The device could restart when saving edited media fields in VB Companion or VB SmartControl.

AZMV-3346	The device would sometimes take 5 mins longer than is usual to complete a firmware upgrade.
AZMV-659	Security update: conversions to safe APIs have been made to address potential security issues.
AZMV-2594	Security update: use latest version of OpenSSL.

Minor enhancements and bug fixes (DockController)

Issue Id	Summary
AZMV-533	Factory reset now erases all data, including previous logs.
AZMV-3139 AZMV-3143 AZMV-3145 AZMV-2213 AZMV-3570	Security update: various enhancements have been made to harden the security and reliability of the platform, and to improve diagnostics.
AZMV-2594	Security update: use latest version of OpenSSL.

Minor enhancements and bug fixes (EdgeController)

Issue Id	Summary
SW-3182 SW-2878 SW-2885 SW-2883 SW-2879 SW-2886 SW-2881 SW-2882 SW-2880 SW-2877	Security update: Various libraries (including OpenSSL) have been updated to address security issues.

SW-3905 AZMV-2594	
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Software updated in 16.2.1

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- User Import Tool

Changes since 16.1.0

Feature: VB SmartControl is usable without a licence

The VB SmartControl mobile app can now be used without a licence. The VB Companion settings page has been renamed to the Mobile App settings page and now contains separate sections for VB SmartControl and VB Companion (which still requires a licence). The VB400 device profile now requires the specific type of mobile app in use to be configured. Other minor change to permission names and configuration screens have been made to accommodate both applications.

[AZMV-70]

Feature: Photo capture

In the device profile, you can now specify that the creation of a bookmark should cause the capture of a still image. When this profile option is enabled (and a bookmark gesture is configured), then every time the bookmark button is pressed, an associated image will be produced. These images are represented as separate media items in the media pages in Motorola Solutions VideoManager.

[SW-2456,AZMV-426]

New role permissions

The permissions under Device permissions/Mobile App were previously visible only to customers with a VBCompanion licence and are now visible to all customers. These permissions have been renamed to say "Mobile App" instead of "VBCompanion".

Permission	Section	Notes	On upgrade, granted to
View/Edit Tactical VideoManager settings	Advanced permissions/Settings	2 permissions	System administrator

Request a device state capture	Device permissions/Device	-	Roles with "Download device audit logs" permission
Download device configuration	Device permissions/Device	-	System administrator

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
SW-2944	Added support for multiple string user-defined field type.
AZMV-1567	Added maximum length specification for text user-defined fields.
AZMV-105	Accessibility: All table columns now have headers.
AZMV-200	Accessibility: All inputs now have an associated screen-reader compatible label.
AZMV-1425	The Bluetooth MAC address prefix setting for devices would allow invalid prefixes to be configured which prevent Bluetooth from working correctly on VB400 devices.
AZMV-1342	Grid workers could not connect if the configured grid password contains non-ASCII characters.
AZMV-1001	Security fix: Upgrade ua-parser-js library used by web UI.
AZMV-1615 AZMV-1616	Security improvement: The theme resources page no longer allows files to be uploaded with the wrong extension.
AZMV-1618	Security improvement: When configuring theme resource files, the system examines the file to check it is of the expected type.
AZMV-1625	Security improvement: Prevent XXE attacks when processing XML files.
AZMV-855	Upgraded the AWS SDK version from 1 to 2.20.12
VM-23686	DockControllers occasionally appeared as Configured & Connected even when they have disconnected.
VM-24070	Editing of user group membership does is not always audited.
VM-23822	Some media properties were always showing in the media properties editor, even when they should have been hidden by visibility conditions.
VM-23752	Show in transcription Editor' and 'Show in incidents' toggle buttons of user-defined fields did not replicate correctly from CVM to Site.
VM-23834	File digest information was not transferred from site to central manager for M500 footage recorded at site.

VM-23957	Antivirus scan failed when using cloud OPSWAT Antivirus integration.
AZMV-1303	If the grid system UI was used to generate a random password, it could sometimes create a password with non-ASCII characters which would prevent grid workers from connecting.
AZMV-853	Security fix: HTTP cookies are now marked as "secure" when using an HTTPS forward proxy.
AZMV-157 AZMV-357 AZMV-573 AZMV-605 AZMV-1563	Security fix: upgrade server components with known CVEs.
AZMV-1001 AZMV-1562	Security fix: upgrade Javascript components with known CVEs.
VM-23876	Pressing enter when configuring authentication realms popped up an unexpected dialog.

Software updated in 16.1.1

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware

Changes since 16.1.0

DockController firmware

The version of the DockController firmware included in Motorola Solutions VideoManager has been reverted to 15.2.0.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-3389	It was not possible to specify a web server public address using certain top level domain names.

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
AZMV-2914	It was not possible to connect to WiFi networks that used a passphrase longer than 31 characters.

Earlier changes

See the V16.1.0 release notes for earlier changes.

End-of-support(EOS) for VideoManager EX 15.0

VideoManager EX 15.0 (and earlier) are now at end-of-support, and VideoManager EX 16.2 is the recommended upgrade for customers with software assurance.

End-of-support for specific VideoManger EX software versions means that they are no longer supported or serviced, and will not receive further security or feature updates. Existing VideoManager EX 15.0 and earlier installations will continue to operate, but you should be aware that when you use software after its end-of-support, you are potentially exposing your organisation to security vulnerabilities.

Known issues

V500 UI not as described in the user guide

The V500 LCD display does not show the "eye" icon to indicate a live stream is being viewed.

V500 LTE configuration not as described in the user guide

APN details must be configured in VideoManager for LTE to be enabled on the V500.

V500 doesn't enter hush mode when it is recording

Hush mode can only be entered whilst not recording.

V500 observed with beep when beep disabled

When audible beeps are disabled in the device profile, the V500 still beeps when the camera is undocked. The V500 will not beep afterwards during general operation.

Full battery reporting is inconsistent between device and VM.

The battery percentage displayed on the V500 LCD when fully charged may be different to the battery percentage displayed in VideoManager by 1-2%.

V500 doesn't connect to the WiFi when the network profile has LTE enabled.

To use WiFi connectivity, the assigned Network Profile must be LTE disabled. The Network Profile used when provisioning an eSIM must also have LTE disabled

V500s docked in SmartDock but failed to connect with VideoManager.

V500 units docked in Smart Dock pockets may charge but not connect to VideoManager. The Smart Dock must be rebooted to regain connectivity.

V500s do not stop a recording when the camera is entered into Hush mode. In a future release, when the V500 enters Hush mode, the recording will be stopped.

VB400 may not start automatic recording or pre-recording after a factory reset. If a factory reset is performed on a VB400 multiple times, or only once while FIPS is enabled, and if the device is subsequently assigned with a device profile with automatic record or automatic pre-record enabled, then recording or pre-recording will not start. The problem can be worked around by power cycling the VB400.
[SW-2977, SW-1750, VM-23646]

VB400 Bluetooth and Wifi are incompatible. WiFi streaming and download over WiFi cannot be used on a VB400 when it is configured to connect to the VB Companion App over Bluetooth.

VB400 WiFi offload of footage can make X-100 or X-200 unreliable (VM-20059). If you configure the device to offload footage over WiFi, then in-progress offloads can sometimes cause the operation of an X-100 or X-200 external camera to be unreliable. It is not currently recommended to enable WiFi offload if using an external camera.

DockController assignment groups with overridden device settings. If you setup multiple DockControllers to share a single RFID reader, then you must ensure that all the DockControllers in the group share the same RFID assignment charge criteria (these can now be overridden for each DockController). If the charge criteria for the DockControllers in the group are not the same, then you may unexpectedly be unable to assign a device in some circumstances.

Large Numbers of Incident Clip Counts. The system performs poorly when more than 200 incident clips are created in a single incident. You should not create incidents with more than this many clips. Some functions may not work properly if this limit is exceeded, e.g. export may fail.

Changing server timezone while cameras are offloading footage. Changing the timezone of the server while cameras are offloading footage may trigger the deletion policy to delete the video files before the upload finishes. The record of

those video files will appear in your search results but cannot be played back as the video file no longer exists.

Composite Clip playback

Composite clips have a black screen during playback for an individual clip that has had the metadata overlay turned off.

Upgrade notes

Upgrade Path for VideoManager EX

To upgrade to the current release, you must first upgrade your VideoManager EX to version 15.1.10 or later. Direct upgrades from older versions are no longer supported.

HTTP Basic Authentication Disabled

Some security analysts now consider the ability to authenticate HTTP requests with "Basic" authentication to be a security vulnerability. For this reason, the Motorola Solutions VideoManager web APIs no longer allow clients to use HTTP Basic authentication. If you directly access the API and you use Basic authentication then you should either switch to using HTTP Digest authentication, or you can re-enable Basic authentication by adding the advanced settings file entry "api.key.basic.auth=true" if you do not consider this to be a security risk.

Microsoft SQL Server TLS requirements

For installations which use Microsoft SQL Server as the Motorola Solutions VideoManager database, be aware that SQL Server must support TLS 1.2 encryption or the Motorola Solutions VideoManager service cannot connect to it. If you are using SQL Server 2012 or 2014 please ensure that you have the latest service packs installed to ensure TLS 1.2 compatibility.

Software assurance requirement for upgrade

In order to upgrade to this version from an older version, you must have software assurance coverage up to 07 August 2024.

Officer preferences roaming

M500 users roaming between sites who have updated officer preferences may see their preferences revert to an older version after upgrade. Subsequent preferences changes will be preserved across all sites

Central manager site upgrades

When upgrading a central manager installation, replication of certain configuration settings from the central manager to sites (including EdgeControllers) will not occur until those sites are upgraded.

If you use any of the "Shared configuration settings" - on the Auto-fetch settings page - to replicate configuration information to sites, then the site will use out-of-date configuration information until upgraded to the minimum required version for that setting. Configuration changes made on the central system will have no effect until the site is upgraded.

The following table shows the minimum required version of Motorola Solutions VideoManager running at the site in order for each shared configuration setting to replicate correctly.

Shared configuration setting	Minimum compatible site version
Keys	5.1.0
Roles & Password Rules	6.4.0
Users	14.5.0 **
User Groups	14.0.0
Device Profiles	6.4.1
Deletion policies	6.4.0
User-defined fields	14.1.0 if you enable playback reason auditing
	14.0.0 if you define any tag list fields
	6.4.0 otherwise
Device states and locations	10.0.0

** - Users can be replicated to sites running 7.0.1 to 14.4.x, but an incompatibility warning will be shown and bluetooth pairing information will not be replicated. Users are not replicated to sites running software older than 14.0.0 if there are any user groups defined in the system.

DockController DHCP client changes

In 16.1.0 the version of the DHCP client used by the DockController was updated. This update has caused a change in the way the DHCP client identifier is generated. Please contact support if further information is required.

Supported platforms

Motorola Solutions VideoManager is supported on the following platforms:

- Windows 10 Pro & Enterprise 64-bit
- Windows 11 Pro & Enterprise
- Windows Server 2012 Essentials, Standard & Datacenter *
- Windows Server 2012 R2 Essentials, Standard & Datacenter *
- Windows Server 2016 Essentials, Standard & Datacenter * **
- Windows Server 2016 R2 Essentials, Standard & Datacenter * **
- Windows Server 2019 Essentials, Standard & Datacenter * **
- Windows Server 2022 Essentials, Standard & Datacenter * **

* Accessing the Motorola Solutions VideoManager web application from a web browser running on a Windows Server desktop is not supported. However, Windows Server can be used for running the Motorola Solutions VideoManager service.

** USB attached devices are not supported on Windows Server 2016 and later.

Supported browsers

The Motorola Solutions VideoManager web application is supported on the following browsers:

- Microsoft Edge 79+ (Windows 10/11)
- Chrome 48+ (Windows 10/11, MAC OS X v10.10)
- Firefox 68 ESR+ (Windows 10/11, Ubuntu 18.04+) *

The security settings of your browser may prevent some features of the Motorola Solutions VideoManager web application from working correctly. In particular, some browsers may silently prevent the download of files from the Motorola Solutions VideoManager web application. Adding Motorola Solutions VideoManager web application to the list of trusted websites will normally fix this.

Accessing the Motorola Solutions VideoManager web application from a web browser running on a Windows Server desktop is not supported.

* When using Firefox on Windows, you may need to run Windows Media Player once to install codecs before video playback will work. Firefox video playback only works if the operating system provides an MP3 codec. When using Firefox on Ubuntu, you must install a package which provides H.264 and AAC codecs for Firefox, e.g. libavcodec-extra.

Supported device firmware

We do not support assignment of devices running firmware older than version 6.0. These devices will still connect but only for the purposes of upgrading them.

Included device firmware

This release of Motorola Solutions VideoManager includes the following firmware:

VB400 firmware	V24.3.0
VT50 / VT100 firmware	V17.0.2
DockController firmware	V24.4.1.2
Smart Dock firmware	V24.4.1.2

Supported radios

The VB400 Motorola radio integration features are supported in conjunction with the following models:

- TETRA radios with Bluetooth hardware and MR19 software or higher with Bluetooth Connectivity and Bluetooth Radio Control features enabled.
- MOTOTRBO and APX radios having Bluetooth capability (except APX6000 AN and APX7000).