

This document describes the features, operational issues, and major fixes for the Pelco Sarix Enhanced 4 Series cameras. Review each section to determine if an upgrade is warranted for your installation. For additional information on the camera (including the latest updates to documentation, product specifications, and software downloads), visit the Pelco Web site at www.pelco.com.



Note: For technical issues, contact Pelco Product Support at 1-800-289-9100 (USA and Canada) or +1-559-292-1981 (international).

To upgrade the camera, there are two methods and you use a different file depending on the process.

- To update your camera using the camera's web interface, use the firmware file with the .BIN extension.
- To update your camera using the Camera Configuration Tool, use the firmware file with the .FWP extension.



Note: Version Dependency

If your camera currently has firmware older than 5.20.0.24, please upgrade to version 5.20.0.24 before upgrading to the latest firmware version.

5.42.0.56 Release

Major Fixes

- Resolves an issue where Bullet model cameras could go out of focus.

5.42.0.44 Release

New Features and Improvements

- Resolves an issue where polygon metadata was incorrectly populated.

5.42.0.42 Release

New Features and Improvements

- This update includes an urgent performance issue fix and should be applied immediately.
- The text size overlay for Pelco cameras has been improved to address issues with text trimming at higher resolutions. This update ensures that text is displayed correctly across various camera resolutions and stream settings, enhancing the overall visibility and readability of overlaid information.
- A new test event feature has been added to the Audio Analytics configuration via the web interface. This addition allows users to easily test and verify audio analytics settings, improving the setup and troubleshooting process for audio-based detection features.
- MQTT feature has been added allowing cameras to send MQTT events to a custom broker. Please refer to the updated WebUI user guide for details.
- A new test event feature has been added to the Audio Analytics configuration via the web interface. This addition allows users to easily test and verify audio analytics settings, improving the setup and troubleshooting process for audio-based detection features.

Sarix Enhanced 4 v 5.42.0.56 Release Notes

- Improved the accuracy of gunshot audio analytic.
- Fixed a problem where WiFi configuration support cannot be disabled.

5.34.0.36 Release

New Features and Improvements

- Updated OpenSSL support to comply with FIPS 140-3 (level 1) standards. This update aligns with the planned upgrade of TPM on various cameras to FIPS 140-3 compliant versions, enhancing overall security.
- Added support for additional confirmation steps for the 'Restore' button and user deletion processes.
- Significantly enhanced WebUI's Certificate Management feature to provide a more comprehensive and user-friendly experience.
- Added support to reduce false positives and improve detection distance for VFD Firearm Detection.
- The camera firmware now supports ONVIF SRTP integration with Milestone XProtect.

5.30.0.24 Release

New Features and Improvements

- Added a new feature with a refreshed camera WebUI, offering improved design, better streaming quality, consistent user experience.
- Added support for improved OIDs in MIBs to include Manufacturer Name, Model Number, Serial Number, and Version Number for enhanced device management.
- Added support for Zoom/Focus Control via RS-485 in box cameras.

Major Fixes

- This critical update addresses a performance issue on these cameras.
- Resolves an issue where changing object counts in analytic rules caused communication errors.

5.20.0.22 Release

Major Fixes

- Fixed an issue where Crowd Detection Analytics may fail to be triggered

5.20.0.20 Release

Major Fixes

- Added support for H.265 streaming to the WebUI. This enhancement improves video compression efficiency and streaming capabilities within the web interface.
- Support has been added to WebUI, which now includes a bounding box and confidence display for analytics.
- Added support for customizable On-Screen Display (OSD). Users can now change the location, color, background color, and text size of overlay text, enhancing readability.

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- The automation engine has been updated with new features. This update includes Digital Input Trigger and Digital Output Action, enabling more sophisticated automation rules for integrators and users.
- Support for a new audio analytic event type, 'Crashing Metal,' has been introduced. This classification is designed to detect sounds associated with vehicle accidents, expanding the range of detectable audio events.
- Support for handling of NXP TPM Tamper (FIPS 140-2 level 4 hardware) has been implemented.
- A new feature "Object Too Close" analytic has been added. This feature generates events when two objects come too close together within a defined region of interest, with configurable distance and time thresholds.

5.14.0.38 Release

Major Fixes

- Fixed an issue that caused the loss of recordings due to not receiving camera pixel motion events.
- Resolved a problem where cameras with Appearance Search enabled appeared as disconnected in Unity Video, even though they were connected.
- Fixed an issue where the camera would abort and close the client connection following analytics reconfiguration.

5.14.0.32 Release

New Features and Improvements

- Added support for analytics bounding boxes for WebRTC video.
- Added FTP, a new feature. FTP is integrated into the Automation Engine as an action. This will allow users to save JPEG snapshots to an FTP server based on triggers.
- The support for OpenSSL has been upgraded
- FIPS 140-2 compliant Encryption Engine can now be used without any License with this version.
- Added a new feature that enhances the camera automation engine.
- Added a new feature to allow manual triggering of mock analytic events. This will facilitate easier testing of VMS integrations and rules engine actions, particularly for unusual crowd events.
- Added a new feature 'Fake Linear Mode' to address issues with WDR in low light conditions. This aims to reduce noise and bandwidth usage without causing long recovery times for VMS.
- Added a new feature, "digital defog," to the cameras.
- Added support for two new analytics, "Object removed from zone" and "Object abandoned in zone."

4.86.0.32 Release

New Features and Improvements

- Resolves an issue and ensures that the microphone used for audio analytics is consistently recognized by the VMS. Users can expect improved reliability in microphone identification.

4.86.0.20 Release

New Features and Improvements

- Support has been added for analytics configuration in WebUI.
- Support for the center cropped stream option has been added. This feature enables a fixed resolution (400x720) secondary stream while maintaining standard options for the primary stream, enhancing monitoring capabilities for public safety and operational purposes.
- Support for Electronic Image Stabilization has been added. This enhancement improves image quality and stability, particularly in challenging environments or when capturing moving subjects.
- Added a new feature for SD card Encryption. This feature enhances security by preventing unauthorized access to footage stored on SD cards.
- Support has been added to disable WS Discovery in the network settings. This feature enhances the privacy and protection against unauthorized access.
- Support has been added for SD card retention.
- Added a new feature that enhances the camera automation engine including email send feature for seamless communication and alerts.

4.84.0.20 Release

New Features and Improvements

- Allowed on-screen overlay to be resized: Users can now resize the on-screen display (OSD) text to a larger size, providing better visibility and readability.
- Added support for EIS (Electronic Image Stabilization). This feature allows for correction of camera shake to improve video stability.
- Additional audio analytics were added for tire screech detection.
- Added a new feature that changes the default multicast behavior for cameras.
- Added a feature to allow users to dynamically configure masks via the camera's web UI. Enhances privacy and security by allowing for easy adjustment of mask settings.
- Added a new feature, Removable Dynamic Privacy Masks, that introduces an advanced privacy attribute designed to safeguard sensitive information in surveillance footage.

Major Fixes

- Addressed the issue of revoked firmware signing certificates.
- Resolved and enhanced the security of web applications by patching vulnerabilities related to clickjacking/ CSP, and X-frame.
- Resolved an issue that allows for enhanced performance of analytics in busy scenes.
- Resolved an issue where analytics detections would stop after reboot.

4.80.0.22 Release

New Features and Improvements

- The Web UI has now been localized to include translations for the following: Simplified Chinese, Traditional Chinese, Turkish, Spanish, French, German, Italian, Brazilian Portuguese, Korean,

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Russian, & Japanese.

- Improved cybersecurity.

Major Fixes

- Fixed a problem with the formatting of RTSP packets per RFC 1684.
- Fixed a problem where LEDs could lose power when switching from Aux+POE+ to POE+.
- Fixed a problem where the Wi-Fi dongle could fail to function.
- Fixed a problem where Privacy Masks could fail to cover the intended areas within the Web UI after the image is rotated.

4.74.1.18 Release

Major Fixes

- Fixed a problem where Pixel Motion Detection may fail to work properly.
- Fixed a problem where the camera may go offline when using MJPEG streaming and enabling a Privacy Zone with Removable Blur set to Enabled.
- Fixed a problem where video recording may fail when set to record when motion is detected.

4.47.0.18 Release

New Features

- Added support for configuration of Dynamic Removable Privacy Masks through ONVIF.
- Added support for privacy blurring on multiple video streams.

Major Fixes

- Fixed a problem where a reboot may be required after video analytics settings are reverted to default settings in order for the analytics to function properly.
- Fixed a problem where enabling Adaptive IR could cause erratic IR/cut filter behavior.
- Fixed a problem where privacy blurring is applied to the primary stream when selected for only the secondary and tertiary streams.
- Fixed a problem where pop-up windows may fail to appear on iOS devices when the camera is accessed through the Wi-Fi dongle.
- Fixed a problem where the camera could crash if streaming in H.265 and the image is rotated.

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