



Spectra Enhanced 8 Series PTZ

v 5.52.0.56 Release Notes

This document describes the features, operational issues, and major fixes for the Pelco Spectra Enhanced 8 Series PTZ 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.

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



Note: Version Dependency

If your camera currently has firmware older than 5.20.0.36, please upgrade to version 5.20.0.36 before upgrading to the latest firmware version.

5.52.0.56 Release

New Features and Improvements

- Added Click-to-Track functionality, allowing operators to initiate automatic object tracking directly from the VMS.
- IPv6 networking is now enabled by default.
- Introduces a new Recovery Mode with a minimal WebUI for authenticated firmware hotfix upgrades when a camera is running a faulty firmware version.
- Allows users to assign names to Camera Automation Schedules.
- Enables Analytics to be attached to Camera Automation Schedules to control when they run.
- Adds support for sending snapshots to an SFTP server using secure SSH key-based authentication.

5.42.0.64 Release

Major Fixes

- Resolves an issue causing excessive packet fragmentation, improving network efficiency.

5.42.0.44 Release

New Features and Improvements

- Resolves an issue where polygon metadata was incorrectly populated.

5.42.0.38 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.
- Accuracy of Area Zoom functionality within Milestone VMS has been improved.

5.34.0.42 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 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.
- The camera firmware now supports ONVIF SRTP integration with Milestone XProtect.
- Advanced Analytics rules can now be configured for individual PTZ Presets.

5.20.0.20 Release

New Features and Improvements

- 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.
- 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.

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- Added Autotracking analytics and ONVIF support.
- 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.

5.14.0.34 Release

New Features

- Added support for analytics bounding boxes for WebRTC video.
- Added new feature, "FTP," that 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.
- Added a new feature to allow manual triggering of mock analytic events. This will facilitate easier testing of VMS integrations and rules engine actions.
- Added support so that the FIPS 140-2 compliant Encryption Engine can be used without any License with this version

4.86.0.20 Release

New Features

- Added support for analytics configuration in the WebUI.
- Added support for the center cropped stream option. This feature enables a fixed resolution (400x720) secondary stream while maintaining standard options for the primary.
- Added a new feature that will separate Smart Compression and Idle Scene Mode. This change allows for more granular control over these features, aligning with customer expectations and industry standards.
- Added support for Electronic Image Stabilization. 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.
- Added support to disable WS Discovery in the network settings.
- Added support for SD card retention.

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- Added a new feature that enhances the camera automation engine including email send feature for seamless communication and alerts.

Major Fixes

- Resolved an issue that allows for enhanced performance of autotracking.



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