Ulisse Enhanced PTZ 2 Series
v 5.42.0.116 Release Notes

This document describes the features, operational issues, and major fixes for the Pelco Ulisse Enhanced PTZ 2 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.

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 5.20.0.20, please upgrade to version 5.20.0.20 before upgrading to the latest firmware version.

5.42.0.116 Release

New Features and Improvements

- Added configurable PTZ limit support.

Major Fixes

- Improved compatibility with third-party VMS integrations by adding support for additional washer control commands.
- Updated the WebUI to allow hyphens in SNMP community strings.
- Resolved an issue preventing viewer-level users from logging into the WebUI.
- Fixed an issue where PTZ speed limit settings were not properly restored to default values after restoring default settings.
- Resolved an issue where Electronic Image Stabilization (EIS) could cause video artifacts and prevent PTZ movement.

5.42.0.110 Release

New Features and Improvements

- Adds PTZ limit controls to variants with PTZ functionality, preventing cameras from moving into restricted areas during pan/tilt operations.

Major Fixes

- Fixes an issue where enabling Electronic Image Stabilization (EIS) caused video artifacts, darker images, and prevented PTZ movement.

5.42.0.72 Release

Major Fixes

- Resolved an issue of excessive IP fragmentation in RTP over UDP streams.
- Fixed the issue where the camera model name reported via SNMP did not match the actual device model name.
- Fixed the issue where the PTZ preset configuration was missing for fixed cameras in the new WebUI.

5.42.0.44 Release

Major Fixes

- Resolves an issue where polygon metadata was incorrectly populated.

5.42.0.36 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.
- Added Autotracking analytics and ONVIF support.

5.14.1.18 Release

Major Fixes

- Fixed a problem with enabling the Illuminator.
- Fixed a problem where using PTZ while Image Stabilization is enabled could render the camera inaccessible.

5.14.1.16 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.

4.86.0.20 Release

New Featues

- Added support for analytics configuration in the WebUI.
- Added a new feature for SD card Encryption. This feature enhances security by preventing unauthorized access to footage stored on SD cards.

- Added support has been added to disable WS Discovery in the network settings. This feature enhances the privacy and protection against unauthorized access.
- Added support for SD card retention.
- Added a new feature that enhances the camera automation engine including email send feature for seamless communication and alerts.
- Added support for the camera to move while the wiper is activated on the cameras. This improvement allows for continuous camera operation during cleaning cycles, enhancing usability in challenging environments.
- 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.

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