

This document describes the features, operational issues, and major fixes for the Esprit Compact 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.



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

5.34.0.42 Release

Major Fixes

- 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.

5.42.0.110 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

Major Fixes

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- 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.

Esprit Compact PTZ v 5.42.0.116 Release Notes

- 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

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.
- 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.
- Added ability for the camera to remain in Daytime mode when the white light illuminator is enabled.

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 Features

- 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 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 support for custom wash and wiper delays on the fixed lens cameras. This feature provides more control over camera maintenance operations.
- 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.

4.84.0.20 Release

Major Fixes

- Allowed anon-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 a new feature that changes the default multicast behavior for cameras.

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.

4.80.0.16 Release

Major Fixes

- 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, Russian, and Japanese.
- Improved cybersecurity.

Major Fixes

- Fixed a problem with the formatting of RTSP packets per RFC 1684.
- Streaming MJPEG and HTTP is now more reliable when selecting "Enable Legacy API" in the camera's WebUI.

4.78.0.18 Release

Major Fixes

- Analytics event rules have been modified for better compatibility with a variety of VMS applications.
- Support for sRTP is now included through ONVIF.
- "Auto-Focus Region of Interest" is available to be toggled through the camera's Web UI, which is used to automatically refocus the camera and maintain sufficient contrast through the day/night as the environment's temperature fluctuates.
- Added support for Pelco Elevate.

Major Fixes

- Fixed a problem where disabling the HTTP port could fail to function.
- Fixed a problem where sRTP streaming to Genetec VMS could crash when FIPS encryption is in use.

4.64.0.16 Release

Major Fixes

- User can now temporarily disable continuous autofocus for when a zoom command is issued.
- The following API options have been added: PTZ_PRESETSET, PTZ_PRESETGOTO, PTZ_MOVE, PTZ_TIMEOUT, and PTZ_FOCUSAUTO.
- The camera stream is now accessible through a URL with MJPEG over HTTP.

Major Fixes

- Fixed a problem where wiper could fail to operate properly.

4.64.0.14 Release

Major Fixes

- The feature to disable analytics has been renamed to "No Video Analytics," rather than "No Smart Analytics," within the WebUI.

Major Fixes

- Improved the digital zoom slider functionality.
- Fixed a problem where the camera could pan to incorrect coordinates.

Esprit Compact PTZ v 5.42.0.116 Release Notes

- Fixed a problem that could cause the camera to be unable to properly synchronize its time to that of an NTP server.

4.60.0.38 Release

Major Fixes

- Fixed a problem where an MCU upgrade could fail.

4.60.0.28 Release

New Features and Improvements

- Video rotation is now supported through the WebUI.
- Added a "No Smart Analytics" option in the WebUI to allow the user to disable Smart Analytics functionality
- Added support for Digital Zoom.
- Added support for Continuous On (Wiper On) AUX command.
- Added WebUI controls for "Preset Overrides," which allows for override behaviors to be executed rather than navigating to a PTZ position.

Major Fixes

- Fixed a problem where the camera WebUI could fail to load in Mac OS web browsers.

4.52.0.16 Release

Major Fixes

- Fixed an issue that can cause the auto-tracking function to stop working when the image is flipped.
- Resolved an issue where the user is unable to configure the "Threshold" and "Motion Mask Area" settings under Pixel Motion Detection.
- Fixed an issue where the auto-tracking feature continued to run after clicking the Home button.
- Fixed an issue that can affect the ability to set a power mode.
- Fixed an issue that can potentially impair the Continuous Focus feature.

4.48.0.16 Release

Major Fixes

- Fixed an issue where a temporary network disruption to the associated VMS or NTP service may cause cameras to stop streaming video within the VMS.
- Fixed an issue where cameras may fail to adjust to Daylight Savings Time within the IST/IDT time zone.

4.40.0.12 Release

New Features and Improvements

- Improved the password encryption for security.
- Added a new compass feature in the web UI.
- Updated the Pelco logo.

Major Fixes

- Fixed an issue where the maximum exposure time would be lower than the exposure time configured by the camera.
- Fixed an issue where the video stream appeared green with stripes.
- Fixed an issue where recording to the SD card would unexpectedly stop.
- Fixed an issue that caused incorrect exposure changes when flicker mode was changed.
- Fixed an issue where the web UI locked access after 10 incorrect password attempts.

4.18.0.114 Release

Major Fixes

- Fixed an issue where the washer may fail to be triggered during a washing cycle.



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