

This document describes the features, operational issues, and major fixes for the Pelco Spectra Pro 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.



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

3.10.1.1 Release

Improvements and Features

- Added cybersecurity improvements.

3.10.0.7 Release

Improvements and Features

- Improved overall ONVIF stability.
- Improved the accuracy when controlling the pan, tilt, and zoom of the camera.

3.9.2.0 Release

Major Fixes

- Fixed an issue with the camera sometimes exhibiting flare or fogging on the video.

3.9.1.8 Release

Improvements and Features

- Added support for the ONVIF Profile M functionality.
- Added cybersecurity improvements.

Major Fixes

- Fixed an issue with white balance "white patch" yielding a desaturated correction.
- Fixed a problem with displaying the analytic overlay on VxOpsCenter.
- Fixed an issue with exporting large recorded video clips sometimes failing.
- Fixed a problem with severe Auto White Balance failure in low light.

3.8.1.2 Release



Note: This version of firmware introduces a couple of restrictions related to Advanced Analytics and Simple Motion Detection, as described below. The camera Web Client will warn the user when these restrictions occur.

Spectra Enhanced 7 v 3.10.1.11 Release Notes

- Advanced Analytics will be disabled when the video framerate is set to a high value.
- When using a high video framerate, Simple Motion Detection and Advanced Analytics are mutually exclusive and only one can be enabled at a time.

Major Fixes

- Fixed an issue with the Spectra Enhanced 7 IR Look-up PTZ camera failing to focus correctly at the 36x-40x range..
- Fixed a problem with the minimum focus distance feature not limiting the focus distance range.
- Fixed a problem causing failing focus on a bright subject at full telephoto mode on the Spectra Enhanced 7 IR Look-up PTZ camera.
- Fixed a problem with Exclude Zones not being honored (Two Camera Tracking & AutoTracker).
- Fixed an issue with excessive WDR chroma noise and saturation at high gain low light.
- Fixed a problem with the camera stopping its focus on targets in a tour.
- Fixed an issue with text in Settings>System>General Settings>Date and Time not being translated.

3.8.0.13 Release

Major Fixes

- Fixed an issue with illuminant probabilities showing disproportionate skewing of some illuminants in WDR mode vs linear.
- Fixed a problem with Milestone 2021 R1 in which with RTSP set to Required (Default) on the camera, live video did not stream in the Smart Client.
- Fixed a problem causing mild AWB oscillation in scenes with multiple illuminants.
- Fixed a problem with the camera losing focus.
- Fixed an issue with the Camera Tracking Zoom PTZ Camera to Mouse-Drawn Box not functioning properly.
- Fixed a problem with Park Source not working.
- Fixed an issue with AWB oscillation in low light conditions.
- Fixed a problem with RWS being unable to manually focus or adjust iris from the 3D mouse and keyboard.
- Fixed an issue with the DNN analytics delay time being too long.
- Fixed a problem with RWS still being discontented with focus at 1X.
- Fixed an issue causing the camera to be in a bad state; kernel backtrace
- Fixed a problem with a Camera Sabotage Event being triggered after a zoom in action.
- Fixed an issue with the camera not switching to Night Mode causing an entirely black scene.
- Fixed a problem with ONVIF conformance RSA Keypairs intermittently failing.
- Fixed an issue with poor instruction on the Two Camera Tracking page.
- Fixed a problem with the physical camera sometimes wobbling when going to a preset.
- Fixed an issue with an occasional slower camera boot impacting ONVIF testing.

3.7.3.1 Release

Major Fixes

- Fixed an issue with the Autotracking analytic stopping when the camera switched between the day and night mode.
- Fixed a problem with the Autotracker analytic and the camera tracking movement that was not present.
- Fixed an issue with automatic IR illumination not functioning on builds after version 3.6.1.12.
- Fixed a problem with streaming in Milestone 2021R1 when set to RTSP Closed Auth.
- Fixed an issue with the secondary stream occasionally dropping.
- Fixed a problem with a Camera Tampering event not displaying in the event pane of Genetec.
- Fixed an issue in Settings > System > General Settings with the date and time not being translated.
- Fixed a problem with the EIS Message Box in Settings > Imaging > Exposure not being translated.

3.7.1.1 Release

Improvements and Features

- Improved the accuracy of Advanced Analytics.
- Improved camera focus.

Major Fixes

- Fixed a rare issue where the focus motors failed to function.
- Fixed an issue where a strip of distorted pixels appeared on the live video.

3.6.0.8 Release

Improvements and Features

- Improved the ability for the camera to focus on various scenes.

Major Fixes

- Corrected an issue with being unable to stream live video in Security Center with "Connection Type" set to "RTSP stream over HTTP."
- Corrected a problem with ONVIF and various Recording/Search/Replay tests failing.
- Corrected an issue with the web UI localizations and all languages in Settings/System/Diagnostics, "Generate Imaging Log" not being localized.
- Corrected a problem with missing wsdl header elements in ONVIF eventing requests result in incorrect SOAP fault.
- Corrected an issue with DNN Analytics in which the Person In Zone Analytic was being triggered by sun reflection from a car.
- Corrected a problem with the web UI and a lack of localization for all languages in Storage Management SD Allocation.
- Corrected an issue with the sharpness slider brightening an image in low light conditions.

3.5.1.2 Release

Improvements and Features

- Snapshot images uploaded to an FTP server can now have the resolution of the primary, secondary, or tertiary stream.

Major Fixes

- Corrected an issue with the camera failing to load the web page after setting a static IP address.
- Corrected a problem with the Security RTSP/JPEG Setting not being saved to a settings file.
- Corrected an issue with configuring a local static IP address causing complete network loss.

3.5.0.8 Release

Improvements and Features

- Added new Smart Tours feature which adds configurable delays at specific presents within a preset tour when motion or an analytic event is detected.
- Added cybersecurity improvements.

Major Fixes

- Corrected an issue with a 10-second focus timeout when moving from tele to wide left video out of focus.
- Corrected a problem with the camera failing to focus near full magnification after several erratic zoom and pan moves.
- Corrected an issue with the zoom slider and input box not functioning (e.g. it did not accept input values or move correctly).

3.3.0.6 Release



Note: A user must exist on the camera in order to successfully update to this firmware.

Improvements and Features

- Compliant with California's new SB-327 cybersecurity law aimed at preventing unauthorized access to Internet-connected devices. The camera now requires an administrator account to be created the first time it boots. Without such an account, the camera will not stream video and will fail most API requests.
- Added "Person Wrong Way" and "Vehicle Wrong Way" Detection analytics from PilotAI that can be licensed and configured from VXToolbox.

Major Fixes

- Corrected an issue that prevented motion recording on the SD card.
- Improved handling of HTTP Post timeouts on the web client firmware update page.
- Improved the ability of the camera to focus at high digital zoom settings.

3.1.0.9 Release



Note: After a camera is updated to firmware 3.1.0.9 from a 3.0x build, it cannot be downgraded back to 3.0x.

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Improvements and Features

- Added Pelco's Advanced Analytic Suite powered by deep learning for Person Object Detection in zones. Camera suite is licensed and configured using VxToolbox.

Major Fixes

- Corrected an issue with switching to WDR mode causing a focus failure.
- Corrected a problem with Autotracker not functioning.
- Corrected an issue in the Web UI after setting a video preset to "Low." The resolution was changed and saved, but after refreshing the webpage, no preset resolution was selected.

Spectra Enhanced 7 v 3.10.1.11 Release Notes



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