

Sarix Enhanced 3 Series

This document describes firmware updates to the Sarix Enhanced 3 Series cameras. Review each section to determine if an upgrade is warranted for your installation. For additional information on the unit (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

Major Fixes

- Added cybersecurity improvements.

3.10.0.7 Release

New Features and Improvements

- Improved overall ONVIF stability.

3.9.1.6 Release

Major Fixes

- Corrected an issue with false triggers leading to multiple alarms on VideoXpert.
- Corrected a problem with exporting large recorded video clips sometimes failing.

3.9.0.8 Release

New Features and Improvements

- Added support for the ONVIF Profile M functionality.

Major Fixes

- Corrected a problem with manual white balance causing a desaturated correction.
- Corrected an issue with overexposure in WDR mode compared to Linear mode with some exotic illuminates.
- Corrected a problem with severe AWB failure in low light causing a deep yellow tint.
- Corrected an issue with certain ONVIF pre-authorization requests failing without authorization.
- Corrected a problem with exporting large recorded video clips sometimes failing.
- Corrected an issue with video analytics metadata streaming before being enabled.

3.8.1.2 Release

New Features and Improvements

NOTE: This version of the camera 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.

- 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

- Corrected a problem with excessive WDR chroma noise and saturation at high gain low light.
- Corrected an issue with cameras becoming unresponsive and losing authentication after the version 3.7.1.1 upgrade.
- Corrected a problem with false triggers leading to multiple alarms on VideoXpert.
- Corrected an issue with the Operator Level User not being able to access the Imaging Tab.

3.6.0.8 Release

Major Fixes

- Corrected a problem with AE and/or Tonemap being too sensitive. The video flickered and responded to objects too abruptly.
- Corrected an issue with some cameras not recording long-term rate control data.
- Corrected a problem with various ONVIF Recording/Search/Replay tests failing.
- Corrected an issue causing failing white balance correction in a deep shade. Images turned purple.
- Corrected a problem with 2x and 3x WDR mode elevating green channel significantly causing loss of highlight detail.
- Corrected an issue with link auto-negotiation sometimes failing during reboot when using external power.
- Corrected a problem with DNN Analytics causing People in Scene analytic bounding boxes to constantly trigger on stationary objects.

3.5.0.8 Release

New Features and Improvements

- Added a redeveloped image pipeline for improved image quality.
- Added cybersecurity improvements.

Major Fixes

- Corrected an issue causing a significant difference in white balance correction between Linear, 2x, and 3x WDR mode.
- Corrected a problem with the camera failing to focus at transition from night mode.
- Corrected an issue causing heavy quantization noise, especially dawn and dusk.
- Corrected a problem with long exposure in WDR set exhibiting severe overexposure.
- Corrected an issue with maximum bitrate limit being ignored if Smart Compression was used.
- Corrected a problem causing white balance failures.
- Corrected an issue causing omni-directional People Count to not count in both directions.

- Corrected a problem causing image quality issues.

3.4.0.5 Release

New Features and Improvements

- Added new advanced analytics "People Counter" and "Vehicle Counter" which can be configured through VXToolbox.
- Added ability to encrypt the contents of the SD card using a password for added security.
- Added support for real time clock so the camera will not lose its time when disconnected from power.
- Added ability to upload a PKCS12 certificate for TLS security.
- Added echo mitigation to prevent echo sounds when using Audio In and Audio Out at the same time.
- Added cybersecurity improvements.

Major Fixes

- Corrected an issue with wrong-way events being generated when a configured zone contains stationary vehicles.
- Corrected a problem with auto focus not appearing to achieve the best focus position on dome and bullet cameras.

3.3.2.1 Release

New Features and Improvements

- Added support for the new 8 MP (4K) long lens bullet and dome models of cameras.

3.3.1.2 Release

Major Fixes

- Corrected an issue with poor EIS correction when there was a small, random, camera movement.
- Corrected a problem causing blurry image rendering in linear mode from a very sharp raw video file.
- Corrected a tooltip for Ping ID to add localization.
- Corrected a problem with excessive contrast in linear mode on the camera.

3.3.0.8 Release

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

New Features and Improvements

- 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 Advanced Analytics 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.

3.2.1.2 Release

New Features and Improvements

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

- Added support for the Box form factor cameras.
- Added support for the 3MP long-lens model Dome and Bullet cameras.

Major Fixes

- Corrected an issue causing poor daylight illuminate correction. The Auto White Balance failed with a distinct blue cast.
- Corrected a problem with White Manual White Balance not working in version 3.1 and failing in WDR modes only.
- Corrected an issue with long exposure in WDR mode causing overexposure in bright outdoor scenes.

3.1.0.9 Release

New Features and Improvements

- Added support for 5 MP, 8 MP (4K), and 3 MP long lens models of cameras. **NOTE:** Once a camera is updated to firmware 3.1.0.9 from a 3.0x build, it cannot be downgraded back to 3.0x.
- 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 causing other clients' video and audio streams to be impacted by the loss of network connectivity to one client.
- Corrected a problem with the camera not maintaining good focus through extreme temperature change.
- Corrected an issue with the default image sharpening to be too high.
- Corrected a problem with the camera becoming inaccessible when restoring all imaging settings in non-WDR mode.
- Corrected an issue with switching to MJPEG encoding causing poor (flickering) video quality.
- Corrected a problem with the camera failing to focus after rebooting or a factory restore.
- Corrected an issue causing window blanks to shift when EIS was on.
- Corrected a problem with blinking, hot pixels being visible in low light.
- Corrected an issue with VxToolbox and the camera firmware update failing with TLS set to "Optional" or "Required."
- Corrected a problem with triggering a physical alarm and the "On" and "Off" states being triggered twice (instead of once) in rapid succession.
- Corrected an issue with changing the camera orientation ignoring the current white balance settings and going back to default white balance settings.
- Corrected a problem with restoring factory defaults sometimes resulting in black video.
- Corrected an issue with full resolution image capture only returning a 640 x 360 image.
- Corrected a problem with the camera transitioning too slowly out of daylight mode.
- Corrected an issue with color chart white balancing.
- Corrected a problem with the SD card not being detected after formatting.
- Corrected an issue with the loss of the Default Gateway setting on DHCP.

- Corrected a problem with an error message to make it more clear that certain special characters are invalid for user names and passwords.
- Corrected an issue causing exporting large recorded video clips to sometimes fail.

3.0.0.21 Release

Major Fixes

- Corrected a problem causing WDR images to appear too dark compared to linear mode.
- Corrected an issue causing focus problems after changing the zoom setting and Restoring All Imaging Settings.
- Corrected a problem causing day/night oscillation in lighter mode.
- Corrected an issue that had the potential to cause dropped frames on 2MP models.
- Corrected a problem with the Event Stream page timing the user out.

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