Release Notes

PELCO

NextGen Sarix Professional Range Series

This document describes operational issues for the initial launch of the new NextGen Sarix Professional 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).

Upgrading Firmware from Device Utility

1. Install Device Utility 2.3 or later, if it is not already installed.
    a. Download Device Utility 2 from *www.pelco.com*.
    b. Run the DU2 installer.
2. Open Device Utility and log on with administrator credentials.
3. Refresh your device lists, if necessary, to identify the cameras you want to upgrade.
4. Select the cameras you want to upgrade.
5. Click the Update Firmware icon or right-click an individual camera and select Update Firmware.
6. Select the firmware file and click Open. The Perform Update dialog appears.
7. Click OK to accept the update.

The camera will install the updated firmware and then restart. The update process takes approximately 15 minutes to complete.

Upgrading Firmware from Pelco Utilities

1. Open Pelco Utilities and log on. If upgrading cameras on an Endura® network, you must log on with administrative privileges to upgrade camera firmware.
2. Select the camera you want to upgrade in the System Attributes tab. (You can select multiple cameras by pressing and holding the CTRL or SHIFT keys while selecting cameras.) The camera appears in the right pane.
3. Click the Software Packages tab.
4. Click Add, locate the firmware file, and click Open.
5. Return to the System Attributes tab and select the camera to which you added firmware in previous steps.
6. Right-click the camera, select Device Macros, and then select Update in the right pane.

The camera will install the updated firmware and then restart. The firmware update process takes several minutes to complete

Upgrading Firmware From Camera Web Interface

1. Use Internet Explorer to access the camera via its IP address.
2. Click on the Login link in the upper right corner of the page and then enter credentials for the administrator.
3. Click Settings and then navigate to the Firmware page under the System menu.

4. Click Browse to select the firmware file and then click Upload.

The camera will install the updated firmware and then restart. The firmware update process typically takes up to 5 minutes to complete.

1.16.47 Release

Improvements and Features

- Added flash partition backup and restore functionality.
- Fixed a watchdog reset hang that caused camera restart issues.
- Fixed an UUID change issue.
- Removed unnecessary write rtc actions.

Major Fixes

- Corrected a problem with Pro2 cameras restarting frequently.
- Corrected an issue that caused camera UDNs to change periodically.
- Corrected an issue that cause the primary Unicast stream to stop due to enforcements of stream constraints.
- Corrected an issue that caused Edge Storage Retrieval from Milestone VMS to return incorrect video.
- Corrected a problem where the Sarix Pro2 camera port scan would show port 80 as "Open" with TLS set to "Required".
- Corrected an issue that caused initial NTP sync to fail occasionally.
- Corrected an issue that caused Pelco API to show that there the IWP121 camera has a physical alarm input and relay output when there were none.

1.16.42 Release

Improvements and Features

- Added cybersecurity improvements:
  — Added the ability to set TLS (formerly SSL) to "Required" in the Web Client which disables HTTP access.

Major Fixes

- Corrected an issue preventing web browsers from streaming live view on the camera.
- Corrected a problem with a StreamDiscovery response that could prevent streaming over IPv6 on VideoXpert.
- Corrected an issue with the ONVIF GetNTP function's default values.
- Corrected an issue with AudioInputRtsp: SetChannelParameters request returning an "Operation not supported" response.
- Corrected a problem with multicast auto-start.

1.16.37 Release

Improvements and Features

- Added Corridor Mode Support for Digital Sentry in camera models.
- Improved compatibility with Avaya network switches.

- Increased sensitivity of Simple Motion Detection to help identify more motion.
- Two megapixel cameras can now support 1080p as secondary streams at different frame rates.

Major Fixes

- Corrected an issue with sharpness levels not being communicated correctly using Genetec.
- Corrected a problem causing SetVideoEncoderConfiguration responses with high resolutions to take too long and cause unit loss with Genetec.
- Corrected an issue with the ONVIF IR cut filter mode being inverted between night and day.
- Corrected a problem with ONVIF and the backlight compensation and wide dynamic range settings.
- Corrected a problem with retrieving local storage from the camera's SD card using VideoXpert OpsCenter.
- Corrected an issue with the web user interface when enabling IPv6 and setting the Configuration Mode to Auto causing the network service to restart every 30 minutes and the wis-streamer to crash.
- Corrected an issue with the web user interface (after restoring the camera to the default settings) causing the camera's initial login page to not format correctly using the Chrome browser.

1.16.30 Release

Improvements and Features

- Lengthened the time the user interface waits for completion of a factory default operation to allow for time for the camera to reboot.
- Added indoor dome microphone camera models.

Major Fixes

- Corrected an issue with not being able to set camera passwords with special characters. Passwords with special characters would silently fail and the installer was required to reset a password.
- Corrected a problem with the camera models using firmware version 1.16.28.20170321 on an Endura NSM causing the camera to record with gaps and some even stopped recording.

1.16.29 Release

Major Fixes

- Corrected an issue with ONVIF where *FindRecordings* and *FindEvents* requests not containing an optional *includedSources* element resulted in an empty response from the cameras.
- Corrected a problem with ONVIF where *GetReplayConfiguration* is returning an integer instead of a duration.
- Corrected an issue with Mini Dome cameras updating from version 1.16.17 to version 1.16.26 causing the multicast group to revert to multicast address 239.168.0.20.
- Corrected a problem with Motion Detection on Mini Dome cameras with Exacq software.
- Corrected an issue causing some cameras installed in environments without DHCP and NTP to have duplicate device UDNs.
- Corrected problems with playback of recorded video in Endura using Smart Compression camera settings.

1.16.28 Release

Improvements and Features

- Added a Network RTP Configuration Page for Multicast and TCP/IP.
- Added ONVIF Profile Q support.
- Added Smart Compression support. Pelco's Smart Compression Technology lowers bandwidth and storage requirements by up to 70%. This technology allows the user to make intelligent decisions regarding storage savings and image quality.

Major Fixes

- Corrected an issue causing Digital Sentry Quick Setup to detect only an ONVIF camera stream or fail to detect the camera altogether. Users had to reboot the camera to resolve this issue.
- Corrected a video stuttering problem with Micro Dome (IJP) cameras in Live View in Endura.
- Corrected an issue with frame loss causing video stream tearing in live and recorded video with the NSM5200 and the Ops Center VideoXpert client.
- Corrected a problem with the camera preventing the camera from streaming multicast after rebooting the camera after a restart even though the "Always Multicast this stream" option was selected.
- Corrected an issue causing NTP-governed time to appear in Greenwich Mean Time (GMT) after updating to version 1.16.22.
- Corrected a problem causing the camera's firewall feature to allow IPv6 addresses in mixed IPv4/IPv6 networks.
- Corrected a problem with only being able to use the Unsubscribe method one time rather than multiple times.
- Corrected an issue causing Mini Domes with IR to lose focus in the dark when power was lost.
- Corrected a problem causing the "GetEnabled" methods to always report false.
- Corrected an issue causing incorrect frame rates using an Endura system.

1.16.17 Release

Improvements and Features

- Added support for Endura interoperability including added the Endura Signing checkbox to the Video Configuration Page in the Endura web client.

Major Fixes

- Corrected an issue causing a delay of 4.5 minutes when updating firmware using Pelco Utilities.
- Corrected an issue occasionally causing the WS5000 software to hang.
- Corrected an issue preventing uploaded 802.1x certificates from appearing.
- Corrected an issue causing some cameras to fail to stream live primary or secondary streams in an Endura Workstation GUI or in the camera's web client.
- Corrected an issue causing some cameras to stop recording to the NSM, at different times, after updating to firmware version 1.16.16.
- Corrected an issue causing NSM recording gaps for some cameras.

1.16.14 Release

Operational Issues

- Using Pelco Utilities to update camera firmware, there is a delay of 4.5 minutes before the update process starts.
- WS5000 software may hang when users enable motion. Close the Setup tab and reopen to correct the issue.
- When changing the threshold percentage for motion in the WS5000 software, exiting the Setup tab will cause the software to revert to the default value (100%), even if you save your changes.
- The frame rate shown in camera settings in the Endura Workstation (WS5000) software is incorrect. It is half of what it is supposed to be.
- There is no option to select and change video stream settings in Milestone using the Pelco driver.
- The 802.1x uploaded certificate is not visible in the Pelco GUI after a reboot.

DOCUMENT REVISION HISTORY

Document #	Date	Comments
C1079RN	2/16	Added version 1.16.14 release information.
C1079RN-A	4/16	Added version 1.16.17 release information.
C1079RN-B	4/17	Added version 1.16.28 release information.
C1079RN-C	7/17	Added version 1.16.29 release information.
C1079RN-D	12/17	Added version 1.16.30 release information.
C1079RN-E	5/18	Added version 1.16.37 release information.
C1079RN-F	10/18	Added version 1.16.42 release information.
C1079RN-G	7/19	Added version 1.16.47 release information.

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