

Firmware Update for NEXT Camera

General Description

Vicon has released new firmware for the NEXT modular camera system.

Cameras online and connected to Anavio will receive the update automatically. Cameras using ONVIF to connect to a VMS can be updated manually via PRONTO or the Web UI.

| New Firmware | Older Firmware | Older Firmware Release Notes |
|------------------------------|----------------|-----------------------------------|
| nxt_0100.048 | nxt_0100.044 | V44 Release Notes |

Note: Once a camera is upgraded to firmware `nxt_0100.048`, it cannot be downgraded to `nxt_0100.044` or earlier.

Key Updates

Enhanced Live View Experience

- Introduced a redesigned Live View page with improved multi-sensor PTZ controls.
- Added support for configuring and managing Factory Position and PTZ Presets directly from the user interface.

Image Control Enhancements

- Added Anti-Flicker controls to help reduce image flickering caused by artificial lighting.
- Added Auto White Balance (AWB) Lock functionality to maintain consistent color reproduction in challenging lighting conditions.

LED Status Improvements

- Improved LED boot status visibility and reporting on the Maintenance page.

New Beta Analytics

- Added Fallen Person Detection (Beta) to assist with identifying individuals who may have fallen within the camera's field of view.

Loitering Configuration Update

- Expanded the configurable loitering duration range for greater flexibility; 1-59 seconds, 1-59 minutes and 1-59 hours.

Image Quality Improvements

HDR Performance Enhancements

- Reduced HDR-to-AI Denoise transition times to under one second for smoother day/night mode changes.
- Improved image in high-contrast HDR scenes.
- Enhanced overall HDR image consistency and scene balancing.

White Balance Improvement

- Refined Automatic White Balance mapping under Standard Dynamic Range (SDR) conditions for improved color accuracy.

Security Enhancements

Vulnerability Mitigation

- Addressed SSL upstream injection vulnerabilities identified through Nessus security scans.
- Resolved OpenSSH/OpenBSD-related findings reported by Nessus and OpenVAS vulnerability assessments.

Other Resolved Issues

Camera Operation & Stability

- Resolved an issue that could cause a sensor restart and temporary video interruption when AI Denoise was enabled.
- Fixed image flipping that could occur during PTZ preset recall.
- Fixed camera rotation enablement issues.
- Added safeguards to improve overall sensor module stability.

Analytics & User Interface

- Fixed coordinate alignment issues when drawing analytic detection areas in the user interface.
- Fixed an issue where the initial password setup page could continue appearing after a password was successfully configured.

On-Screen Display (OSD) & Time Settings

- Corrected OSD time display inaccuracies.