

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_0100.044	nxt_0100.041	V41 Release Notes

Note: Once a camera is upgraded to firmware nxt_0100.041 or later, it cannot be downgraded to nxt_0100.038 or earlier.

Key Updates

Video Blackout Issue Resolved

This firmware fixes an internal bug that resulted in a black video stream.

- It was found that in random occurrences, an internal communication error between the Sensor Module and Network hub resulted in a black video stream.
- While the behavior was intermittent and unpredictable, the root cause has been identified and resolved to ensure consistent video availability.

High-Temperature Safeguard Enhancement

In firmware v38, a safeguard had been added where HDR and AI De-Noise will be temporarily disabled if internal SoC (System on a Chip) temperature reaches a defined threshold. With this update, we've enhanced that mechanism:

- Instead of temporarily disabling features like HDR and AI De-Noise, the camera will now reduce video frame rate to 15 FPS to manage processing load and maintain stable, continuous video streaming when operating thresholds are reached.
- Once temperatures return to normal, standard operation resumes.
- This enhancement ensures that NEXT adapts automatically to maintain continuous recording and consistent performance.

Connectivity & Factory Reset Fixes

- Fixed an issue when connecting NEXT with PRONTO after performing a full factory default reset while the camera is operating on a link-local IP address.
- Resolved an issue where performing a full factory default without a DHCP server present would allow login using the default password (1234) but result in a blank screen after login.

Other Fixes & Enhancements

- **ONVIF Motion Detection Compatibility** – Fixed motion detection issues with Avigilon integrations.
- **SDR (Standard Dynamic Range) Video Quality Enhancements** – Improved overall SDR video quality for more consistent color, clarity, and detail.
- **Persistent Camera Logs** – Camera logs are now stored in the Network Hub instead of the sensor, preventing loss after sensor reboots.
- **Analytics GUI Update** – “Object Left/Removed” analytics are now hidden in the GUI as they are not supported features.
- **ONVIF Video Loss on Reboot** – ONVIF events are now created when video is lost (e.g., “sensor not installed” message).
- Fixed issues with **802.1X – EAP-TLS**.
- **SD Card Status Reporting** – Correct SD card format and status are now displayed in the web UI.
- **AI De-Noise Power Protection** – AI De-Noise is now forcibly disabled when a power check fails to prevent continuous rebooting and potential unit damage.

How to update firmware via PRONTO

If your camera is connected to Anavio, it will automatically receive an over-the-air update. No action required for the user.

If you are using PRONTO to update your solo cameras from v31 or earlier, you need to update to [v32_pronto](#) first.

- First, use PRONTO to update the camera with [nxt_0100.032_pronto](#).
- Once completed, you can proceed with updates to later versions as usual.
- For multisensor cameras, PRONTO is not currently supported – updates must be performed through the Web UI.