

# 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
<a href="#">nxt_0100.044</a>	nxt_0100.041	<a href="#">V41 Release Notes</a>

**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.

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## 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.