

ICON 5.4 RELEASE NOTES

Release date: September 21, 2026

Build version: 5.4.2

Cloud-based Licensing System

This software can now be activated through a cloud-based licensing system. Please contact your Eddyfi Technologies sales representative to learn how to access this latest version.

New Features

- **Ultrasonic Testing (UT) & B-Scan**
 - Added real-time B-Scan acquisition, visualization, pause/resume, and project data storage.
 - Added encoder- and time-based B-Scan support, including encoder calibration, scan distance and direction, and scan-position indication.
 - Added B-Scan review and analysis tools, including depth measurements, horizontal and vertical cursors, zoom controls, and a rainbow color palette.
 - Added B-Scan reporting and export capabilities, including thickness reports, audit reports, points of interest, and image export.
 - Added a B-Scan thickness instrumentation tile.
- **Project Data Recycle Bin**
 - Added a recycle bin for projects, jobs, videos, snapshots, tags, and discrete data, including restore and permanent deletion workflows.
- **Windows 11 Support**
 - Added support for Windows 11 and updated system compatibility testing.
- **Device & Diagnostics**
 - Added device identification and expanded diagnostics pages for cameras, actuators, tracks, lights, sensors, and system information.
 - Added API support for device settings.
- **Licensing**
 - Added cross-platform licensing support and offline activation through a web portal.
- **Workflow & Usability**
 - Added the ability to reorder control screen surfaces.
 - Added import of text lists for metadata options.
 - Added user manuals and expanded in-application tooltips and guidance.

Improvements

- User Interface
 - Improved touchscreen interactions, tooltips, flyouts, surface handling, and general UI consistency.
 - Improved control screen surface duplication and ordering behavior.
- Workflow & Data
 - Improved project import/export reliability, including large projects and high-bitrate video data.
 - Simplified video and snapshot export workflows.
 - Improved metadata handling and project settings persistence.
- Automation & Configuration
 - Improved the Expression Editor and support for inline variables in User Parameters and Automation Actions.
- Improved calibration workflow and user input validation.

Resolved Issues

- Fixed project export and import failures, including large projects, high-bitrate video recordings, and version compatibility scenarios.
- Fixed touchscreen dropdown, tooltip, and extended flyout behavior.
- Corrected device communication status and reset-communications notification issues.
- Fixed automation rules not being applied after software updates.
- Fixed video output switching, rotation, overlay preview, and snapshot stability issues.
- Fixed Xbox gamepad recognition on ICON startup.
- Miscellaneous bugs and UI improvements.

Known Issues, Limitations, Restrictions

No known issues, limitations, or restrictions are listed for this release.

Recommended System Requirements

Processor: 8th generation Intel® Core i5 or greater
Operating systems
Edition: Windows™ 11
System type: Any
Memory: 16 GB
Graphics card: Any with Intel® Quick Sync and DirectX 11 support
Disk space: 1 TB for visual inspection data
Display
Screen size: 15' minimum
Resolution: 1920 x1080 minimum
Display scale: 100 % (Strict requirement)
Administrator rights: Required for installation