Release Notes - iX Trigger

V1.0

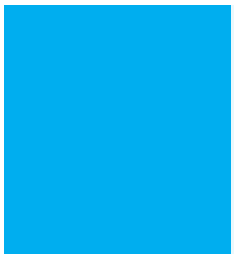
Release Date: 2026-10-15

PHASEONE

Overview

Professional aerial image acquisition, verification, and in-flight quality control

iX Trigger 1.0 introduces a dedicated application for acquiring imagery with supported Phase One aerial cameras and camera systems. It combines camera configuration, manual, interval-based and external triggering, capture verification, operational monitoring, and real-time image review in a mission-focused workspace.



Workflow position

iX Trigger supports image acquisition and in-flight verification. iX View supports image-centric review, optimization, and export, while iX Process supports project-centric and production-scale processing workflows.

New Features

- **Dedicated aerial acquisition workflow:** Configure supported Phase One aerial cameras, select capture folders, perform test captures, and monitor acquisition status during operation.
- **Manual and interval-triggered acquisition:** Capture individual images on demand or run repeated acquisition at a configurable interval.
- **Capture verification:** Use camera acknowledgements and image-counter validation to confirm that trigger events result in successful image captures.
- **Failure detection and alerts:** Identify missed captures, camera connection issues, trigger failures, and synchronization problems through visible status information and alerts.
- **Real-time image quality assurance:** Review image previews, thumbnails, RGB histograms, exposure information, metadata, and detailed images during acquisition.

- **Multi-camera operation:** Define expected cameras, monitor available and connected cameras, review image counters, and work with linked exposure settings across supported configurations.
- **Camera configuration and focus control:** Adjust supported camera parameters, control compatible focus lenses, update firmware for the selected camera, and retrieve camera diagnostic logs.
- **Hardware synchronization setup:** Configure a compatible lead-camera workflow for synchronized acquisition when the required camera firmware and system configuration are available.
- **Diagnostics and resource visibility:** Create image and EXIF logs, save application diagnostics, retrieve camera logs, and monitor CPU, RAM, GPU, and cache usage.

Scope and intended use

iX Trigger is designed for aerial image acquisition, capture verification, camera-status monitoring, and in-flight image quality assessment. It supports operational control at capture time and stores captured imagery as Phase One IIQ files for downstream review and processing.

Included workflows

- Configure and monitor supported Phase One aerial cameras.
- Perform manual test captures or interval-based acquisition.
- Verify trigger events using camera acknowledgements and image-counter information.
- Review image previews, histograms, exposure values, metadata, and camera status during acquisition.
- Operate supported single-camera and multi-camera configurations.
- Save diagnostics and camera logs for troubleshooting.

Outside the iX View 1.0 scope

- Radiometric image adjustment and recipe-based optimization.
- Batch conversion of IIQ imagery to JPEG or TIFF.
- Image stitching, orthophoto generation, or point-cloud generation.
- Project-centric photogrammetric production and large-scale automated processing.

Use iX View or iX Process for downstream workflows

Use iX View for image-centric review, adjustment, and export. Use iX Process for project generation, multi-image operations, and production-scale processing.

Registration and availability

iX Trigger 1.0 is provided as a perpetual software license for the acquisition application. License activation follows the approved Phase One licensing workflow.

Support and documentation

For installation, licensing, camera setup, operating workflows, and troubleshooting, refer to the iX Trigger User Guide Rev 1.0.

For technical assistance, create a support case through Phase One Technical Support and include the saved diagnostics log when relevant.

Minimum System Requirements

This version of iX Trigger has been tested on:

Component	Requirement
Operating system	Microsoft Windows 10
CPU	Intel(R) Xeon E-2278GEL CPU @ 2GHz
Memory	64 GB
Additional component	Windows Media Player; Media Feature Pack for Windows N or KN editions

Captured files remain available for downstream processing

iX Trigger stores captured images in Phase One IIQ format for later review and processing in the appropriate image or project workflow.

Important usage notes

Expected cameras support operational verification

Define the cameras expected for the acquisition session so connection state, capture status, and image counters can be monitored against the intended configuration.

All Cameras view displays four cameras at a time

The current All Cameras view displays four cameras simultaneously. Additional connected cameras remain available through the camera selection controls.

Firmware updates apply to the selected camera

When multiple cameras are connected, confirm the selected camera before starting a firmware update.

Hardware synchronization requires a compatible configuration

Hardware synchronization follows different workstreams as steered by third party FMS or HW sync generated by Phase One iXM cameras and depends on compatible camera firmware and the selected system configuration. Follow the approved camera-specific integration guidance.