



Sentry Firefly

2026R1

Release Notes

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Introduction

Scope

This document lists the new features, functionalities, and major improvements of Sentry Firefly included in this Release.

Audience

The intended audience for this **Release Notes** includes **technical professionals** who are responsible for deploying, configuring, and maintaining the software in enterprise environments. Additionally, commercial stakeholders will benefit from insights into new features, enhancements, and strategic improvements that may impact operational efficiency or align with business objectives.

What's New

New Features

- **Deep Learning 7.3.** Added capabilities to detect *Forklift*, *Buggy Cart* and *Traffic Cone*. [Deep Learning](#). [Objects Detection](#).
- **Face Recognition support.** Firefly can connect to an external and centralize Face Recognition Server and recognize faces via standard API transactions. [Face Recognition](#).
- **Firefly On-Edge on Axis camera supports Aurora and Facial Recognition Queries.** Aurora and Facial Recognition Servers will run on a centralized server that is accessible to the Axis camera, but they don't run on the camera itself. [Firefly On-Edge](#). [Aurora](#). [Facial Recognition](#).
- **Web Setting Additions.** The following has been incorporated into Firefly's WebSettings:
 - UI to configure Buggy Cart, Traffic Cone and Forklift Deep Learning models.
 - UI to configure new Deep Learning classes: Weapon Human Pose, Traffic Cone, Forklift.
 - UI to configure Face Recognition.
 - Save author name in configuration file (*settings.json*) when upload a setting change.

Improvements

- **Shooting Pose Detect 1.0.** Improvements in the Algorithm for better quality detections. [Deep Learning](#). [Action Detection](#).
- **Web Setting Improvements.** The following has been improved into Firefly's WebSettings:
 - Use Case UI has been improved to be easier to configure.
 - RTSP link auto expands when clicking on, helping to review and edit URLs easier.
 - Better guide box for cropping with correct output size.
 - Auto-Trim newline character for camera.

Bug Fixing

- **TensorRT failure.** TensorRT fails to load in TCC mode on A40 on Windows. When loading the TRT version of the Deep Learning Models (engine files) a failure in the nVidia A40 was reported. We reviewed the code and improved it. [Deep Learning](#). [GPU](#).
- **Helmet on High Accuracy Mode failing with OpenVino.** When doing Q&A for models using our verification tool, we found that the exported Deep Learning model for Helmet in High Accuracy was faulty for OpenVino backend, then the model was re-exported and shipped to a new version of FF models. [Deep Learning](#). [Helmet Detection](#).
- **Recording on H.265 stream.** Sentry was not properly recording (when enabled) videos in h265 (for Firefly Keep Watch feature). Still decoding fine but not recording to disk for Keep Watch operations. [Video Recording](#). [H265](#).

- **WebSettings Bugfixing.** The following bugs were found and fixed for Firefly's WebSettings page.
 - Corrupted JPEG when posting JPG image to API.
 - Missing new Object Type when adding a new object into Rules was not present in the Websettings UI, despite being present in the configuration file (*settings.json*).
 - Aurora server is not removed after uploading it to server.

Previous Releases

As follows, a high-level overview of previous releases ordered from the latest one to the first one during the current year.