

SIYI AI Tracking Module Gen II Update Record

Date: February 7, 2026

AI Tracking Module Gen II Firmware Version: 1.1.0

Update Content:

Added New Functions:

1. Object Counting: Implemented real-time statistics for the quantity of recognized objects.
2. Object Filtering: Added configurable filters for object recognition to improve targeting precision.
3. App Configuration: Enabled network parameter configuration for the AI Tracking Module directly via the UniGCS App.
4. System Logging: Implemented a system log feature for advanced diagnostics and monitoring.

Performance Optimization:

1. Tracking Algorithm: Refined AI tracking logic to improve overall stability.
2. HDMI Display: Optimized HDMI output to ensure correct video centering.
3. Response Efficiency: Increased the AI tracking frame rate, significantly enhancing real-time tracking responsiveness.

Bug Fixed:

1. LPR Accuracy: Fixed an issue where License Plate Recognition (LPR) accuracy

<https://siyi.biz/en/index.php?id=downloads&asd=627>

Copyright 2026 SIYI 思翼科技 All Rights Reserved.

was degraded in specific scenarios.

2. RTSP Output: Resolved RTSP output anomalies occurring when ingesting H.264 encoded streams.
3. Bounding Box Drift: Fixed a bounding box misalignment issue caused by rapid video stream switching.
4. Target Selection: Resolved an issue preventing target selection after changing video streams or resolutions while AI tracking was active.

Other Changes

- 1.Feature Deprecation: Removed support for private stream output.
-