

A8 Mini UPDATE RECORD

Date:	May.09, 2026
Gimbal Firmware Version:	0.4.8
Camera Firmware Version:	0.3.6

Update Content:

Added New Functions:

1. Added TCP communication mode to the SDK protocol – Enhances data transmission reliability and stability.
2. Embedded XMP metadata into camera images – Provides complete, standardized shooting information for aerial surveying and post-processing workflows.

Performance Optimization:

1. Waypoint Mission Capture: Optimized the camera trigger logic during waypoint missions to resolve missed triggers (skipped frames), improving overall operational efficiency and dataset integrity.
2. MAVLink Telemetry: Optimized the reporting mechanism for camera models and firmware versions within the MAVLink protocol, ensuring more accurate device identification and data interaction.
3. Gimbal Control Logic: Refined gimbal control logic to resolve multi-source command conflicts (RC channels, App, and MAVLink). Additionally, added adaptive

support for inverted gimbals mounting configurations.

Bug Fixes:

1. Fixed an issue where the Uni GCS APP erroneously displayed a 4K 30 fps parameter prompt during the first video recording after the gimbal/camera firmware update – Ensures the displayed parameters match the actual recording specifications.
-