

TERMINAL GUIDANCE MODULE / AERON1

PRECISE FLIGHT. CONTROLLED IMPACT.

AERON1 is a compact terminal guidance module engineered for precise flight control and terminal accuracy. AI-assisted vision supports target selection, while continuous refinement keeps the aircraft aligned with the target throughout final approach.



AERON1

SYSTEM HARDWARE

UP TO 500 m

ACQUISITION

WITHIN 1 m

IMPACT ACCURACY

UP TO 18 m/s

WIND TOLERANCE

UP TO 80 km/h

MOVING TARGET SPEED

01 HUMAN-IN-THE-LOOP

Operator confirms the final target selection.

02 PLATFORM-READY

Multirotor aircraft in the 7-inch class and above.

FIELD EVALUATION

BOOK A TECHNICAL DEMO

contact@aerondite.ai

SYSTEM OPERATION

The system combines AI-assisted target selection with continuous target refinement and autonomous flight-path correction throughout final approach.



TARGET SELECTION / SYSTEM VIEW



TARGET TRACKING / SYSTEM VIEW

01 TARGET ACQUISITION

The system identifies targets in the active view.

02 OPERATOR CONFIRMATION

The operator selects and confirms the intended target.

03 TERMINAL GUIDANCE

Continuous flight-path corrections maintain alignment through impact.

SPECIFICATIONS

PARAMETER	SPECIFICATION
Target selection	AI-assisted targeting with operator confirmation.
Acquisition range	Up to 500 m, depending on target and conditions.
Terminal flight control	Continuous target refinement and flight-path correction.
Impact accuracy	Within 1 m.
Wind tolerance	Up to 18 m/s.
Moving targets	Tested up to 80 km/h, subject to aircraft limitations.
Approach angle	Operator-defined.
Aircraft	Multirotor, 7-inch class and above.
Video	PAL, NTSC and digital video.
Compute / flight stack	Raspberry Pi 5, CM5, Raspberry Pi Zero; ArduPilot and Betaflight.

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