AINSTEIN

GENIUS IN RADAR

LR-D1 PRO
RADAR ALTIMETER

LONG RANGE - 500m

RELIABILITY ALWAYS

The LR-D1 Pro utilizes a dual radar antenna design, making the altimeter ideal for takeoff, landing, VTOL, and high-altitude maneuvers. Through the 24 and 60 GHz output frequencies, users can experience a new level of altitude accuracy and confidence.

APPLICATIONS

- Tactical
- Aerial Target
- Cargo Vehicles
- Small rotary
- VTOL/eVTOL
- Recon & Surveillance

FIRST DUAL-FREQ. RAD ALT

The LR-D1 Pro is the only commercially available dual-band radar altimeter. Through its algorithm it offers a seamless transition b to offer high accuracy at all altitudes

ALL-WEATHER

Ainstein's radar-based altimeters ensure the utmost reliability and precision in all-weather, any light, and every time.

PURPOSE BUILT / RUGGED

The LR-D1 Pro is tested to a sine vibration of 15gs and a half sine shock of 100gs. Additionally, its IP67-designed enclosure makes it compatible with all environments.

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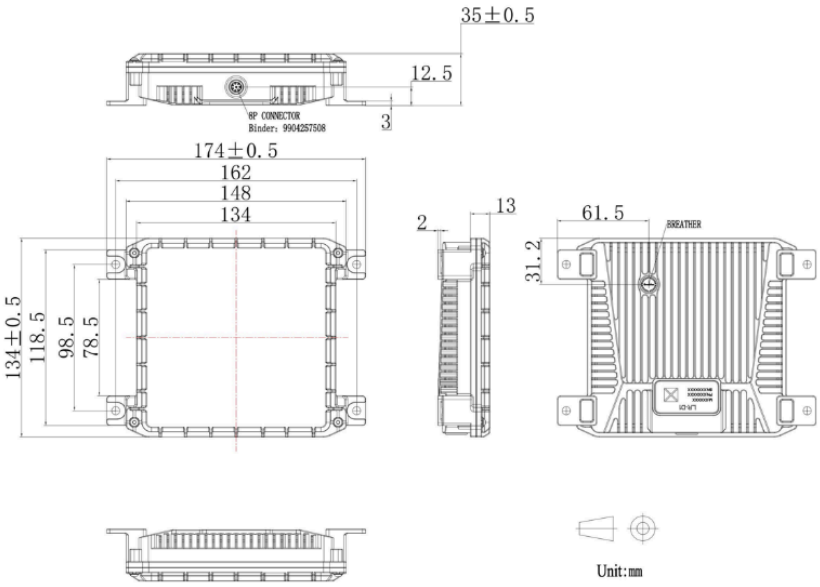
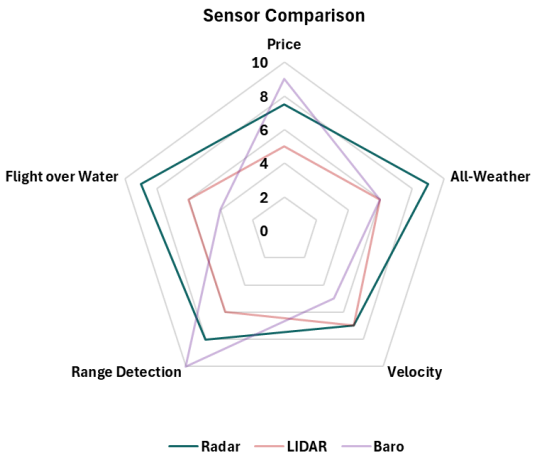
PRODUCT SPECIFICATIONS

Frequency	24 GHz 60 GHz
Field of View	43° Azimuth 30° Elevation
Altitude Range	0.3 - 500 m
Altitude Precision	±0.075m (>5m) ±0.015m (<5m)
Power Consumption	13 W
Operating Voltage	10 - 30 V
Update Rate	66 Hz
Bandwidth	250 MHz
Operating Temperature Range	-40°C - 60°C
Dimensions	174mm x 134mm x 37.5mm
Weight	685g
IP Rating	IP67
Interface	UART TLL, CAN, R232, RS422, RS485





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