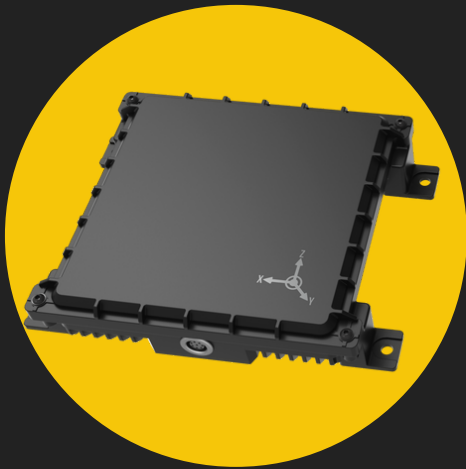


LR-D1 Pro



Hybrid Frequency Long Range Radar Altimeter

Specifications

| | |
|-----------------------------|------------------------------|
| Frequency | 24 GHz 60 GHz |
| Bandwidth | 250 MHz |
| Power Consumption | <13W |
| Operating Voltage | 10 - 30 V |
| Altitude Range | 0.30m - 500m |
| Altitude Precision | 0.364m (>5m) 0.075m (<5m) |
| Update Rate | 40 Hz |
| Field of View | 43° Azimuth 30° Elevation |
| Operating Temperature Range | -40°C - 70°C |
| Dimensions | 148mm x 134mm x 35mm |
| Weight | 700g |
| IP Rating | IP67 |

Ainstein's LR-D1 Pro provides accurate altitude measurements up to 500m in any environment including rain, fog, and snow. The LR-D1 Pro boasts a dual radar antenna design, utilizing a 60 GHz antenna at low altitudes and a 24 GHz antenna at high altitudes making the altimeter ideal for takeoff, landing, VTOL, and high altitude maneuvers.



Ainstein is the global leader in mmWave radar with deployments in over 40 countries. Our team consists of highly skilled radar engineers, scientists, and technologists who can apply radar to any application.

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