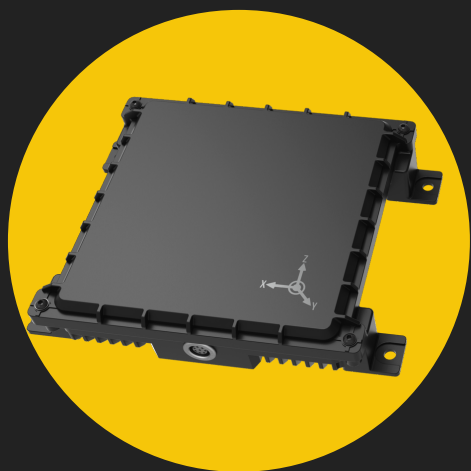


**AINSTEIN**  
WE MAKE SENSING **SIMPLE**

# 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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