

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

# US-D1



Standard Range Radar Altimeter

## Specifications

Frequency	24 GHz
Bandwidth	190MHz
Power Consumption	<2W
Operating Voltage	5 - 13 V
Altitude Range	0.5m - 50m
Altitude Precision	6.0cm (<1m) 4.0cm (>1m)
Update Rate	100 Hz
Field of View	43° Azimuth 30° Elevation
Operating Temperature Range	-20°C - 60°C
Dimensions	108mm x 79mm x 20mm
Weight	110g
IP Rating	IP67

Ainstein's US-D1 provides accurate altitude measurements up to 50m in any environment including rain, fog, and snow. The US-D1 provides precise measurements over any surface, making the US-D1 ideal for VTOL and terrain following applications



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.

Address:  
2029 Becker Drive,  
Lawrence, KS, 66047, USA

Phone:  
+1 (785) - 856 - 0460

Email:  
hi@ainstein.ai

