

NU77 IMAGING RADAR



High-performance 77 GHz radar designed for long-range detection.

- Dense point cloud detection at long distance.
- Wide field of view for comprehensive surveillance.
- High-resolution distance and speed measurement.
- Extended range up to 500 m.
- Ruggedized housing for use in all weather and environments
- Autonomous mobility, road safety, defence and perimeter detection.

OPERATIONAL CHARACTERISTICS

DIMENSIONS	120 x 120 x 40mm
WEIGHT	550g
INTERFACE	Ethernet
FRAME RATE	20Hz
POWER CONSUMPTION	20W
POWER SUPPLY	12V
IP RATING	IP67
OPERATING TEMPERATURE	-40°C /+85°C

PERFORMANCES

INSTRUMENTED DISTANCE	0.5-500m
DETECTION RANGE (AT 0°)	500m (1 car)
SEPARATION	< 0.4m
ACCURACY	± 0.04m
SPEED MAX	± 350km/h
SEPARATION	< 0.25m/s
ACCURACY	± 0.13m/s

NUMBER OF SIMULTANEOUS TARGETS	MAX 2655
FREQUENCY	76-77GHz
FOV	AZ ± 60° EL ± 20°