FOD Radar Technical Specifications



SPECIFICATIONS

FOD FMCW-76/600/100
76.5 GHz
50 to 1000 m (50-1200 m optional)
0.30 m
-14.4 dBsm for reference cylinder (ø38 x 31 mm)
FMCW
200°
±5°
0.1°/ 0.1°
Pan: 24 deg/s, Tilt: 12 deg/s
2 times 160 degrees azimuth with an altitude shift of 0.4 degrees for 3 minutes
Gigabit Ethernet (RJ-45 connector)
Position of radar + FFT, 4096 points@16 bits
or raw digital data 8192 points @14bits 500 Watts
54 V DC, optionally 110/230V AC
80 Kg
8 m (recommended)
1 m
-30°C to + 60°C

Relative humidity at 25°C and lower, max	95%
Atmospheric pressure	84.0 to 106.7 kPa (630 to 800 Torr)
Max Antenna Wind Load	150 km/h or 0.3 kN
Environmental	IP 67

Compliance	CE Marked
EMC Directive	2014/30/EU
Low Voltage Directive	2014/35/EU
Radio Equipment Directive	2014/53/EU

Product web page: https://elva-1.com/products/a40155