UAVSale

X-Band Dual Polarization Doppler Weather Radar BM-120

MD-P00762 · md-x-band-dual-polarization-doppler-weather-radar-bm-120

1 X-Band Dual Polarization Doppler Weather Radar BM-120

TECHNICAL SPECIFICATIONS

Project	Technical indicators
working frequency	9370 20MHz
Intensity Quantitative Measurement Distance	150Km
Doppler detection range	100Km
height detection range	0-20Km
Azimuth	0 -360
Pitch angle	-2 -90
strength	-15dB--+75dB
speed	24m/s
Velocity spectrum width	0-16m/s
positioning accuracy	Distance : 50m (point target) Azimuth : 0.2 (point target) Pitch angle : 0.2 (point target) Height: 200m (distance 100Km) (point target) 300m (distance 100Km 200Km) (point target)
Target parameter measurement accuracy	Reflectivity factor (dBZ) : 1dBZ Speed spectrum width (W) : 1m/s (SNR 10dB) Radial velocity (V) : 1m/s (SNR 10dB)
Measurement resolution	Distance: 50-300m Angle: 0.05 Radial speed: 0.5m/s Speed spectrum width: 0.5m/s Intensity: 0.5dBZ
Ground clutter suppression ability	Not less than 45dB
Distance	50m (point target)
Height	200m (distance 100Km) (point target)
Reflectivity factor (dBZ)	1dBZ
Speed spectrum width (W)	1m/s (SNR 10dB)
Radial velocity (V)	1m/s (SNR 10dB)
Angle	0.05
Radial speed	0.5m/s
Speed spectrum width	0.5m/s

Intensity	0.5dBZ
Strength measurement distance	240km;
Speed measurement distance	120km;
Dual polarization measurement distance	120km;
Pitch	0 ～60 ;
Altitude measurement range	0 ~ 24km;
Intensity range	-15dBZ～+70dBZ;
Speed measurement range	-64m/s～+64m/s (@60km); -96m/s～+96m/s (@30km)
Spectrum width range	0~16m/s.
Distance resolution	75m;
Altimeter resolution	100m;
Intensity resolution	0.5dBZ;
Speed resolution	0.2m/s;
Spectrum resolution	0.2m/s.
Number of receiving beams	5 beams (horizontal), 5 beams (vertical)
Body scan time	50s (20-slice scan)
Ultimate improvement factor	better than 45dB
Power supply voltage	three-phase 380V 10%, 50Hz 5%

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	X-Band Dual Polarization Doppler Weather Radar BM-120
Part number	MD-P00762
Lead time	30 days
Minimum order	1 unit
Supply	made_to_order

Generated from the UAVSale product catalogue. Figures are manufacturer-supplied and subject to configuration. For the current revision and full documentation set, contact our sourcing team.