

IDS GEORADAR IBIS ArcSAR

IBIS ArcSAR	
TECHNICAL SPECIFICATIONS	
Accuracy ⁽¹⁾	< 0.1 mm (Line of Sight displacement)
Spatial Resolution ⁽²⁾	Range 0.375 m, Cross Range: 4.3 mrad @1 km, 0.375 m by 4.3 m @2 km, 0.375 m by 8.6 m
Operating Range	50 m to 5000 m
Field of view	360°
DTM height accuracy	1m @ 1km 2m @ 2km
Operating Temperature ⁽³⁾	-50°C to +55°C
Scan Time	40sec – 80sec
Power Consumption	100 W
Transport Speed	Up to 80 km/h (40Km/h on gravel terrain)
Supply	110/230Vac, built-in battery, genset, solar, wind
Supply Autonomy	15 days without external power source
Environment	All weather conditions
Certifications	CE, FCC, IC
RADIO-EQUIPMENT SPECIFICATIONS	
Transmitter specifications	
Radio-frequency band ⁽²⁾	17.0-17.4 GHz
Max antenna input power	20 dBm
Emission bandwidth ⁽²⁾	400 MHz
Modulation	Linear Frequency Modulated Continuous Wave (LFMCW)
Spurious emissions	<-30 dBm/MHz
Receiver specifications	
Radio-frequency band ⁽²⁾	17.0-17.4 GHz