

ImpulseRadar Raptor-17

ANTENNA	
Technology	ImpulseRadar real-time sampling
Antenna type	Raptor
Centre frequency	170 MHz
Signal to noise ratio (SNR)	>110 dB
Significant/useful number of bits	>16 bit
Scans/second	>800
Survey speed	> 130 km/h @ 5 cm point interval
Data acquisition rate	160 MHz
Time window	>400 ns
Bandwidth	>120%, fractional, -10 dB
Acquisition mode	Wheel, time or manual
Positioning	Wheel encoder, internal GPS, external GPS, Total-station
GPS support	Integrated support for GPS (int./ext.), NMEA 0183 protocol
Data time-tagging	To 1ms of \GPS-time
Power supply	12 V Li-Ion rechargeable battery, or ext. 12 V DC source
Power consumption	0.5 A per channel
Dimensions	450 x 220 x 250 mm (Antenna only)
Weight	4.3 kg (Antenna only)
Operating temperature	-20° to +50°C
Environmental	IP65
Regulatory certification	Approvals pending for CE, FCC, and IC
USER INTERFACE	
	Laptop PC (min. requirements)
Display	10" backlit, sun-readable
Operating system	Windows 7 or later
Processor	>1 GHz, 64-bit (x64)
Memory	>4 GB RAM (64-bit)
Storage	>20 GB (64-bit)
Graphics	DirectX 9 graphics device with > WDDM 1.0 driver
Communications interface	Ethernet 1 GB
Recommendation	<i>Panasonic Toughpad FZ-G1 / Toughbook CF-31 (or equivalent)¹</i>

¹ Configurations of more than 8-channels require a higher specification PC

ImpulseRadar products are under continuous development and we reserve the right to change specifications at any time and without prior notice. You may verify product specifications at any time by contacting our headquarters using the details listed below.