

ANTENNA	DUAL-CHANNEL	SINGLE-CHANNEL
Technology	ImpulseRadar real-time sampling	
Antenna type	CrossOver [®] dual-channel	
Centre frequency	CH-1: 70 MHz (LF) / CH-2: 300 MHz (HF)	
Channel activation	CH-1 & CH-2 (LF & HF)	CH-1 (LF) or CH-2 (HF) only
Signal to noise ratio (SNR)	>100 dB	
Significant/useful number of bits	>16 bit	
Scans/second	>800	
Survey speed	> 130 km/h @ 5 cm point interval	
Time window	2500 ns (LF) / 625 ns (HF)	
Bandwidth	>120%, fractional, -10 dB	
Acquisition mode	Wheel, time or manual	
Positioning	Wheel encoder, internal GPS, external GPS (NMEA 0183 protocol)	
Power supply	12 V Li-Ion rechargeable battery, or ext. 12 V DC source(optional)	
Power consumption	1.5 A	1.2 A
Operating time	6 hours	8 hours
Dimensions	960 x 760 x 270 mm	
Weight	20.2 kg (including battery)	
Operating temperature	-20° to +50°C	
Environmental	IP65	
Regulatory certification	CE, FCC (pending)	
USER INTERFACE		
Display	720 x 1280 pixel or better	
Operating system	Android™ (>ver. 5 Lollipop) or later	
Memory	2.7 GB SDRAM or better	
Processor	Intel Atom x5-Z8550, Quad-core 2.3 GHz Krait 400 or better	
Recommendation	Panasonic Toughpad FZ-A2 (or equivalent)	

Note on channel activation:

An antenna that is configured for single-channel operation may later be upgraded to enable second-channel activation. However, the centre-frequency pairings are fixed according to the type of CrossOver[®] antenna, as per the specification above. For further clarification, please contact our headquarters at the details listed below.

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.