

ANTENNA	DUAL-CHANNEL	SINGLE-CHANNEL
<b>Technology</b>	ImpulseRadar real-time sampling	
<b>Antenna type</b>	CrossOver dual-channel	
<b>Centre frequency</b>	CH-1: 400 MHz (LF) / CH-2: 800 MHz (HF)	
<b>Channel activation</b>	CH-1 & CH-2 (LF & HF)	CH-1 (LF) or CH-2 (HF) only
<b>Signal to noise ratio (SNR)</b>	>100 dB	
<b>Significant/useful number of bits</b>	>16 bit	
<b>Scans/second</b>	>800	
<b>Survey speed</b>	> 130 km/h @ 5 cm point interval	
<b>Time window</b>	388 ns (LF) / 194 ns (HF)	
<b>Bandwidth</b>	>120%, fractional, -10 dB	
<b>Acquisition mode</b>	Wheel, time or manual	
<b>Positioning</b>	Wheel encoder, internal DGPS, external GPS (NMEA 0183 protocol)	
<b>Power supply</b>	12 V Li-Ion rechargeable battery, or ext. 12 V DC source(optional)	
<b>Power consumption</b>	1.3 A	1.0 A
<b>Operating time</b>	7 hours	9 hours
<b>Dimensions</b>	444 x 355 x 194 mm	
<b>Weight</b>	6.35 kg (including battery)	
<b>Operating temperature</b>	-20° to +50°C	
<b>Environmental</b>	IP65	
<b>Regulatory certification</b>	CE & FCC	
<b>CART</b>		
<b>Dimensions (folded for transport)</b>	870 x 540 x 370 mm	
<b>Dimensions (when in use)</b>	1010 x 540 x 1030 mm	
<b>Wheels</b>	4 x Ø315 mm	
<b>Weight</b>	12.8 kg (Cart only) <sup>1</sup> , 20 kg (Cart, Antenna & display) <sup>2</sup>	
<b>USER INTERFACE</b>		
<b>Display</b>	720 x 1280 pixel or better	
<b>Operating system</b>	Android™ (>ver. 5 Lollipop) or later	
<b>Memory</b>	2.7 GB SDRAM or better	
<b>Processor</b>	Intel Atom x5-Z8550, Quad-core 2.3 GHz Krait 400 or better	
<b>Recommendation</b>	Panasonic Toughpad FZ-A2 (or equivalent)	

<sup>1</sup> Cart, skid plate and display holder

<sup>2</sup> Cart, skid plate, antenna, display holder and display

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.