

# vLocCam2 Receiver Data Sheet V1.4

## A. Typical Applications

Α.	Typical Applications		
	Item	Parameter	UTILITY SOLUTIONS
	Description	Locator of pushrod cameras, crawler cameras and Sondes	
	Uses	Locating & deployed cameras and Sondes operating at frequencies of 33 kHz, 512Hz or	
		640Hz. Passive sweeps for buried utilities.	

## **B.** Receiver Assembly

B. Receiver Assembly		
Item	Parameter	
Construction	- Carbon fiber reinforced antenna tube	
	- High impact thermoplastic (ABS) injection molded housing	
Weight	4.6lbs (2.1kg)	
Dimensions	10.3in(L) x 4.8in(W) x 25in(H) (262mm x 122mm x 639mm)	
Display Type	Sharp TFT LCD ¼ VGA color display, 3.52in (89mm)	
Receiver Antennas	2 x horizontal, 1 x compass antenna – air cored	
Batteries Options	- Rechargeable custom Lithium-ion batteries with 100-240V AC mains charger.	
	- Replaceable (6 x standard Alkaline AA batteries) batteries can be used when required	
Battery Life		
	- Lithium-ion - typically 40 hours continuous use at 70°F (21°C) (with full backlight	
	turned on). Re-charging cycles approx. 500 times life cycle. Battery life varies with	
	temperature.	
External Connectors	- 1 x Socket for USB accessories	
	- 1 x Mini USB socket for data transfer/programming	
	- 1 x Socket for battery charger & analogue accessories	
	- 1 x Standard USB (Memory stick) socket for data transfer	
Compliance/Approvals	- Complies with European standard CE - Complies with FCC Rules Part 15	
	(Directive 99/5/EC) • CFR 47 part 2	
	• EN 55011 • CFR 47 Part 15	
	• EN 61000-4-2: A1 & A2	
	• EN 61000-4-3	
	• EN 61000-4-8: A1	
	• ETSI EN 300 330-2	
	• ETSI EN 301 489-1	
Standard Accessories	• ETSI EN 301 489-3	
Standard Accessories		
	100-240V AC mains charger (Lithium-ion battery)     Shoulder bag	
Optional Accessories	- User handbook	
Optional Accessories	<ul> <li>Portable Transmitters: Loc-1Tx, Loc-5Tx, Loc-10Tx</li> <li>Sondes (waterproof self-contained transmitters for use in pipes &amp; ducts)</li> </ul>	
	<ul> <li>D18-33-SR44 - 0.75in(Dia.) x 3.1in(L) (18mm x 80mm), 33 kHz, range 12ft (4m),</li> <li>2 x button cell batteries</li> </ul>	
	2 x button cell batteries  • D38-33-AA – 1.5in(Dia.) x 4.1in(L) (38mm x 105mm), 33kHz, range 15ft (5m), 1 x	
	• D36-33-AA = 1.5in(Dia.) x 4.1in(L) (38mim x 105mim), 33kH2, range 15it (5m), 1 x AA battery	
	• D64-33-6LR61 – 2.5in(Dia.) x 7.3in(L) (64mm x 186mm), 33 kHz, range 24ft	
	(8m), 1 x 6LR61 battery	
	• D23F-512-AA / D23F-640-AA – 1in(Dia.) x 18in(L) (23mm x 456mm), 512Hz or	
	640Hz, range 20ft (7m), flexible Sonde in 3 sections for use in cast iron pipes as	
	well as non metallic pipes, 1 x AA battery	
	- A-frame USB (for Sheath Fault Finding)	

All products are designed and manufactured in accordance with ISO 9001:2008 Updated: June 2014







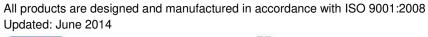


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- Remote Antenna USB	maebth
- Vehicle Charging Lead (Lithium-ion battery)	UTILITY SOLUTIONS
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## C. Operational

Item	Parameter			
Information Displayed	<ul> <li>Signal strength - moving bar genumeric value</li> <li>Mode indication ("Peak", "Son location)</li> <li>Proportional left/right indication</li> <li>Compass: full 360° line directing indicator</li> <li>Plug and Play automatic recognaccessories</li> <li>Accessory specific custom screening in the contraction in the current measurement</li> </ul>	de" -  n -  on -  gnition of -	Sonde location - or Gain level (in dB) Frequency selected Battery condition Speaker volume Operating frequent Configuration ment Start up screen — accessories softwood.	ncy nu & submenus product and USB vare revision
Configuration				
Operating Frequencies	· ·			
Pre-defined Frequencies	Passive Modes Power 50 (50+150+250Hz) Power 60 (60+180+300Hz) Radio Mode (13-26 kHz)	Sonde Modes 512Hz 640Hz 32.8 kHz <i>(32,</i>		
Operating Modes	- Peak Line Mode (using two ho	Mode (using two horizontal antennas)		
	- Sonde			
Gain Control	Manual gain using "+" or "-" with one touch to return to center (60% of FSD)			
Performance Using				
Single Undistorted				
Signal Source				
	Depth measurement accuracy:			
	- 3% of depth			
	Depth range: Dependent on strength of signal radiating to locator			
Compatible with	1 1 1			
Transmitter				











# vLocCam2 Receiver Data Sheet V1.4

## D. Sensitivity

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Item	Parameter	UTILITY SOLUTIONS
Mode	Sensitivity at 3.2ft (1m)	=
50Hz/Power mode	7.5mA	•
Radio mode	20μΑ	
512Hz/640Hz	400μΑ	
8kHz	40μΑ	
32kHz and Above	25µA	_

### E. Environmental

Item	Parameter	
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C)	
	Storage : -40°F to 140°F (-40°C to 60°C)	
Weather Proof	IP54 and NEMA 4	
Shipping Weight	37lbs (17kg) (with transmitter)	
Shipping Dimension	17.5in(L) x 11.2in(W) x 30.1in(H) (765mm x 285mm x 445mm)	

### F. Warranty

Item	Parameter
Warranty	12 months

### G. Upgrade

Item	Parameter
Software Software can be upgraded using a PC with USB port. Programs & locator software	
	available via email.

### H. Features

Item	Parameter
Enhanced Features	- Reduced size and weight with enhanced ergonomic design
	- Improved power management and Lithium-ion rechargeable batteries provide longer battery life (approx 300% more)
	- Auto detects batteries type (Lithium-ion/Alkaline) and displays appropriate status
	- Non-reflective display
	- Enable/Disable auto shut off mode
	- Analogue channel
	- Overload protection

Disclaimer: Product and accessory specification and availability information is subject to change without prior notice.

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