

vLocCam2 Receiver Data Sheet V1.4

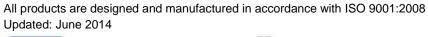
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A. Typical Applications

Item	Parameter
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 1/4 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	- Alkaline – typically 12 hours intermittent use at 70°F (21°C)	
	- 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	
	• ETSI EN 301 489-3	
Standard Accessories	- USB data cable	
	- 100-240V AC mains charger (Lithium-ion battery)	
	- Shoulder bag	
	- User handbook	
Optional Accessories	- Portable Transmitters: Loc-1Tx, Loc-5Tx, Loc-10Tx	
·	- Sondes (waterproof self-contained transmitters for use in pipes & ducts)	
	 D18-33-SR44 - 0.75in(Dia.) x 3.1in(L) (18mm x 80mm), 33 kHz, range 12ft (4m), 	
	2 x button cell batteries	
	 D38-33-AA – 1.5in(Dia.) x 4.1in(L) (38mm x 105mm), 33kHz, range 15ft (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)	











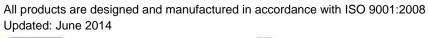
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- Remote Antenna USB
- Vehicle Charging Lead (Lithium-ion battery)

C. Operational

C. Operational Item	Parameter			
Information Displayed	 Signal strength - moving bar genumeric value Mode indication ("Peak", "Sond location) Proportional left/right indication Compass: full 360° line direction indicator Plug and Play automatic recognaccessories Accessory specific custom scr Line location - depth & current measurement 	- de"	Gain level (in dB) Frequency select Battery condition Speaker volume Operating freque Configuration me Start up screen – accessories softw	ency enu & submenus - product and USB
Configuration	Intuitive setup menu enables user to configure: - Setup frequency selection to toggle by "f" pushbutton - Setup location mode selection to toggle by "M" pushbutton - Sonde/line location - Units of measure (feet/meter) - Power and radio modes – 50Hz or 60Hz environments - Sound (Pitch) – normal/modulated - Language - Continuous depth/current options - Loudspeaker level - Backlight			
Operating Frequencies	50Hz/60Hz/512Hz/640Hz/33 kHz			
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 (32,7		
Operating Modes	- Peak Line 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	Locate pinpointing accuracy: - up to 9ft (3m) – 5% of depth			
	Depth measurement accuracy: - 3% of depth Depth range: Dependent on strenge:	gth of signal ra	diating to locator	
Compatible with Transmitter	Loc-1Tx, Loc-5Tx, Loc-10Tx		-	









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D. Sensitivity

Item	Parameter
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 will be
	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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