Underground Magnetics
simplicity meets versatility

UMCAM

DUAL PURPOSE FUNCTIONALITY

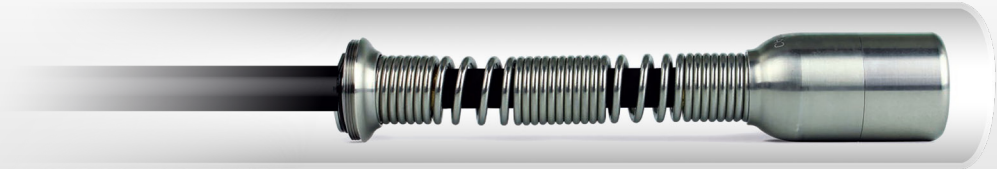
- Works as a pipe and cable locator with UM Transmitter
- Active Frequencies: 512Hz, 640,Hz, 8kHz, 33kHz, 83kHz
- Passive Frequencies (Receiver only): Power (60Hz), Radio (VLF)

UNIVERSAL SYSTEM COMPATIBILITY

- Equipped with traditional CCTV camera frequencies
- Frequencies: 512Hz, 640,Hz, 8kHz, 33kHz
- Compatible with all CCTV Sewer Push and Main-Line Camera Systems.(VLF)

SINGLE SCREEN SIMPLICITY

- Three-axis ferrite antenna arrangement provides the simplest, most accurate method for detection.



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UMCAM SPECIFICATIONS

RECEIVER

Model	UM CAM
Dimensions	26.7in x 5.8in x 12.7in (679mm x 148mm x 324mm)
Weight	4.8lbs (2.2kg)
Operating Temperature	-4°F to 122°F (-20° to 50°C)
Storage Temperature	-40°F to 160°F (-40° to 70°C)
Environmental	IP65[1]
Batteries	Lithium ion battery pack, 35.5Wh 6x AA (LR6) with Alkaline battery pack Automatic battery type detection
Battery Life	**Lithium:** 14 hours continuous (28 intermittent) **Alkaline:** 4.5 hours continuous (9 intermittent)
Charge Time	2 hours
Display	High-Visibility Color Transflective Display, 4.3”

PERFORMANCE

Frequency Range	50Hz - 83.1kHz
Max Automatic Depth[3]	19.7 ft (6m)
Max Pushbutton Depth[3]	36 ft (11m)
Accuracy (Locate)	+/- 5% of depth
Accuracy (Depth)[3]	
- Line	+/- 5% to 9.8ft (3m)
- Sonde	+/- 5% to 9.8ft (3m)
- Passive	+/- 10% to 9.8ft (3m)
Sensitivity:	$1x10^{-15}$ Tesla (1uA @ 1m, 32.8kHz)
Automatic overload protection	Up to 60dB

FEATURES

Locate Modes	Single Twin Sweep (2D) Twin Sweep (2D) **Standard Frequencies:** Single Omni (3D) Twin Omni (3D)
Gain Control	Manual with One Touch
Sonde Frequencies	512Hz, 640Hz, 1024Hz, 8.19kHz, 32.8kHz
Active Locate Frequencies	512Hz, 640Hz, 1024Hz, 8.19kHz, 32.8kHz, 44.5kHz, 83.1kHz
Passive Frequencies	**Power** - 50Hz, 150Hz, 450Hz for 50Hz grid - 60Hz, 180Hz, 540Hz for 60Hz grid **Grouped Power:** Detects power frequencies and harmonics simultaneously **Radio:** 13kHz to 28kHz
Data Logging	4Gb internal storage, over 16 million records
Wireless Connections	BLE 5.1

SYSTEM

Regulatory Compliance	FCC, CE.
Data Transfer	USB-C 2.0
PC based Setup	User-configurable with UM Setup software
Language Support	22 user-selectable languages:

English	Polish	Danish	Czech	Chinese
Spanish	Dutch	Estonian	Finnish	Korean
French	Portuguese	Norwegian	Greek	
German	Russian	Latvian	Hungarian	
Italian	Swedish	Lithuanian	Romanian	

General Warranty: Standard 2-year warranty against manufacturer defects.

Optional 1-Year warranty extension available

Parts and Accessories: Standard 2-year warranty against manufacturer defect, no option for third year extension.

[1] IP65 Rating: The IP65 rating indicates a product is “dust tight” and protected against water jets from any direction. Whether used in harsh weather conditions or dusty settings, an IP65-rated device offers reliable protection, ensuring long-lasting performance and durability.

[2] In standby, a small amount of voltage and current are used to measure the impedance of the utility

[3] Depth accuracy based in a single undistorted signal source

Product specifications are subject to change based on various conditions and the specific equipment used. Environmental conditions, operational settings, and compatibility with other devices can influence performance, durability, and functionality. Manufacturer may adjust specifications to optimize the product for different applications or to meet evolving industry standards. Refer to the latest product documentation or consult with a representative to ensure you have the most up-to-date information.