

## ARTEMIS SAR

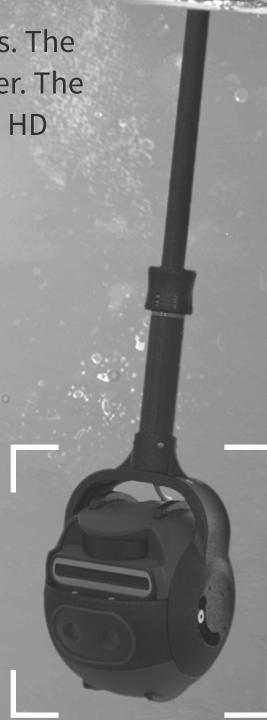
Designed specifically for time critical Search and Rescue (SAR) operations. The ArtemisSAR allows a high confidence search even in sediment-laden water. The single person search system features location mapping, sonar imaging, a HD camera feed and LED search light.

### SYSTEM FEATURES

- + Rugged waterproof Surface Controller with intuitive user interface
- + Search location map display with high accuracy GNSS positioning
- + Modular, rapid deployment telescopic pole for extended reach
- + Dual frequency, ultra-high resolution sonar imaging (M750d/M3000d)
- + Low light optimised 1080p HD camera for real-time imaging
- + Ultra-bright LED search light for enhanced camera definition
- + Motor controlled Sonar and Camera pitch adjustment
- + Multiple Controller mounting options to suit user preference



ARTEMIS SAR



RAPID DEPLOYMENT SUBSURFACE SEARCH SYSTEM FOR SAR OPERATIONS

artemis

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# SPECIFICATION

## IMAGING POLE

Dimensions (Collapsed)	0.2m (L) x 0.2m (W) x 1.1m (H)
Dimensions (Extended)	0.2m (L) x 0.2m (W) x 2.2m (H)*
Ball Rotation	110°
Sensors	Sonar, Camera, LED, AHRS, GNSS
Construction	Acetal, PU Rubber, Anodised Aluminium Pole
Temp. Range (Operating)	-5°C to +40°C
GNSS Receiver	Multi-Constellation 2.0m CEP Position Accuracy

## SONAR

Oculus Model	M750d	M3000d
Frequency	750kHz/1.2MHz	1.2MHz/3.0MHz
Range Max.	120m/40m	30m/5m
Range Min.	0.1m	
Horizontal Beam	130°/130°	130°/40°
Vertical Beam	20°/20°	20°/20°

## CAMERA

Video Resolution	1920 x 1080 @ 30fps
Megapixels	2.0 MP
Lens	69.1° FOV
Focal Length	6mm
Illumination	Ultra-Bright, Dimmable LEDs

## BATTERY

Operating Time	Approx. 2 Hours
Chemistry	Li-ION
Capacity	14.5V, 6.7Ah (97Wh)

## SURFACE CONTROLLER

Dimensions	214mm (L) x 340mm (W) x 234mm (H)
Weight	Approx. 5kg
Mounting Options	Diver Style Backplate Harness, Shoulder Straps
Screen	7" 1024 x 600 Pixels, Adjustable Backlight
Construction	Acetal, PU Rubber, Anodised Aluminium
Temp. Range (Operating)	-5°C to +40°C
Buttons	10x Piezo Buttons
Memory	512Gb Internal SSD 32Gb Removable Storage



\*Measured with a single pole. Additional poles can be stacked to increase the length by 1.8m each.

Please note that all specifications may be subject to change in line with our policy of continual improvement.

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