

UAC-7512F

750kHz/1200kHz

Portable Dual-Frequency Forward-Looking Sonar



Technical Specifications

SPECIFICATIONS	
Operating Frequency	750 kHz / 1.2 MHz
Maximum Range	120 m / 40 m
Minimum Range	0.1 m
Maximum Number of Beams	512
Range Resolution	4 mm / 2.5 mm
Angular Resolution	1° / 0.6°
Horizontal Aperture	130° / 80°
Vertical Aperture	20° / 12°
Dimensions	124 mm (L) × 113 mm (W) × 62 mm (H)
Weight	1.1 kg (air) / 0.48 kg (in water)
Depth Rating	500 m
Continuous Working Time	≥ 24 h
Update Rate	Up to 40 Hz
Supply Voltage	DC 18 V – 48 V (≥ 48 W power supply)
Typical Power Consumption	32 W @ 40 m
Built-in Sensors	Temperature and humidity; Electronic Compass; Attitude; Depth Sensors
Temp. Range (Operating)	-5°C ~ + 35°C
Temp. Rating (Storage)	-20°C ~ + 50°C

waterproof cable

The waterproof cable is standard with a 2-meter platform carrying a waterproof short cable, model LW 127. The optional 10-meter waterproof long cable (model LW 128) and a 1:2 connector cable (BH 932) are convenient for quick use.



LW 127



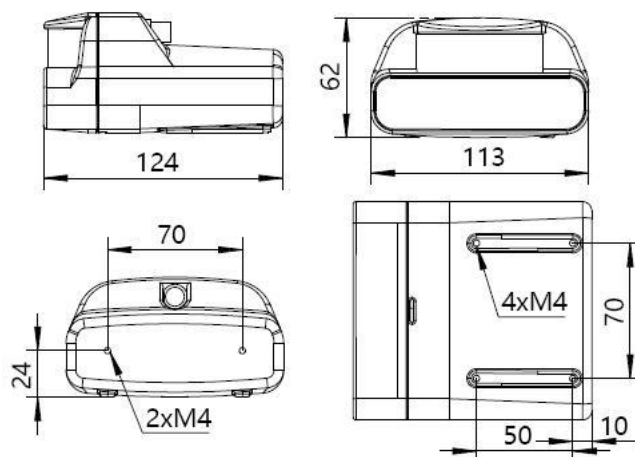
LW 128 (not drawn to scale)



BH 932

Shape、 size and fixed hole position

Four installation and fixing holes are reserved at the bottom of the sonar: M4 threaded hole, hole depth 4mm, thread length 3mm; two auxiliary fixing holes are provided on the back: M4 threaded hole, hole depth 4mm, thread length 3mm.



Joggle

The sonar has only a water-tight socket interface. The corresponding cable sequence of the water-tight plug is as follows:

Order number	Signal	Description
1	DC24-	DC power negative electrode
2	DC24+	DC power positive
3	TX-	Sonar network data transmission-
4	TX+	Sonar network data transmission +
5	RX-	The sound receiver receives network data-
6	RX+	Receiver receives network data +