BALIUSV100 **Autonomous bathymetry**

Simple and easy bathymetric survey



Hydrojet propulsion up to 10 knots Long-term autonomy Versatile and suitable for all conditions environmental



GEOD® powered

Manual and / or autonomous bathymetry Real-time centimeter accuracy RTK Integrated web server compatible with many software Single Frequency (SF) and Dual Frequency (DF) Stable platform with low draft and compatible with many sensors (ADCP, sidescan sonar, echo sounders...)



USV100

Robust and lightweight

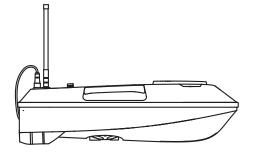
One surveyor can operate it Ultra-resistant carbon fiber hull Ideal for surveys of inland waters, ports, rivers...

> USV100 is a complete bathymetric survey solution, which is simple to operate and extremely accurate.

It comes with either a single frequency (SF) or a dual frequency (DF) echosounder for sounding up to 200 m with centrimetric accuracy.

BALI USVI00's structure is made with fiber carbon which makes it easy to carry, deploy and operate by only one operator. Robust and compact, USV100 can be used in any environnemental and hydrological conditions.

Technical characteristics	
Positioning	GPS, Glonass, Galileo and BeiDou dual-frequency RTK (1cm) - SBAS (0.5m)
Sonding*	
450kHz frequency	Range : 0,15m - 100m
	Accuracy : 0,2% of depth range or 2 cm
	Angle beam : 5°
200kHz frequency	i Range : 0,4m - 200m
	Accuracy : 0,2% of depth range or 2 cm
	Angle beam : 9°
30kHz frequency	¦ ¦Range: 0,4m - 200m
' '	Accuracy : 0,2% of depth range or 2 cm
	Angle beam : 26°
Radio communication	GSM
	Long-range UHF (403-473MHz)
	Wifi (2.4GHz)
I/O interface	Full system configuration
	Mission planning
	Real time monitoring
	Real time navigation
Data format	Bathymetric data cleaning
Position	 Latitude, Longitude, Altitude (WGS84) and XYZ
Sounding	Water depth (meter)
Data output	NMEA0183 and ASCII
Software interface	Web browser (iOS, Android, Windows)



Standard delivery

1 rechargeable battery with charger

1 wireless base station

1 remote controller

1 BALI (smart antenna + echosounder)

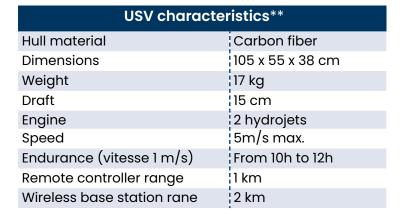
1 PTZ camera

Navigation and autopilot software

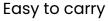
1 transit case on wheels

Optional delivery

Additional batteries BALI stand-alone assembly kit ADCP, sonar side scan, ...









Compact

^{*}Other configurations available on request

^{**}Vacuum, without echosounder or inertial sensor