

Saltwater Intelligent Monitoring

S.W.I.M. - Small Vessel System (SVS)



Saltwater Inc.
Electronic Monitoring

System Overview

The Small Vessel System (SVS) is encased in a lightweight, weather tight box and designed for small vessels and artisanal fisheries. It manages 2 high-definition cameras, an external GPS, and removable USB storage with data encryption. A wireless connection allows users to connect with their personal Android, Apple, or Windows devices to interact with the interface and monitor camera feeds. Supported by DC or AC power, this system can be connected directly to the vessel or powered by rechargeable batteries. Please inquire for more information and potential customizations.

System Specifications

System Features

Processor:	Intel® Celeron® Processor N3350
Storage:	Dual 512 GB USB Flash Drives (1 TB total)
Dimensions:	9.12" x 7.56" x 4.37"
Weight:	5 lbs (2.27 kg)

Cameras

Resolution:	1080p (2MP), 1440p (4MP), 5 - 30 FPS
Weather Rating:	IK10 Housing / IP66
Encoding:	H.264, Encrypted

Connectivity

GPS:	Active GPS /GNSS Receiver
Wi-Fi:	Wireless 802.11 2.4/5GHz
Cellular:	5G /4G/ LTE

Power Rating

SYSTEM

Power Input:	DC (12 V), AC (120 V)
Power Consumption:	19 W - 25 W 0.8 A (idle), 1.5 A (running)
Power Output:	90W PoE budget (48 V DC)
Operating Temp:	32°F - 140°F (0°C - 60°C)

CAMERAS (2)

Power Consumption:	11 W (with IR)
Operating Temp:	-30°C - 60°C (-22°F - 140°F)

Battery Rating

Charger Input:	110 - 120 V AC, 60Hz 0.6 A
Charger Output:	2.8 V DC 1.5 A
Battery Type:	LiFePo4
Battery Capacity:	14 - 16 Amp hours (higher capacities available)

