



ivMS Xtreme Robust GPS vessel tracking solution

The AST ivMS Xtreme is a cellular based vessel monitoring solution specifically designed for surveillance of inshore small scale artisanal fishing fleets or mobile assets in harsh environments.

The low maintenance rugged AST Inshore Vessel Monitoring System (ivMS) will provide you with reliable high frequency position reporting.

Key Benefits:

- Inshore vessel monitoring (ivMS)
- Supports supply chain traceability
- Inexpensive installation, one power cable leading to a single ADU
- Rugged and durable
- Anti-tamper technology with physical and electronic alerting



Features:

- ivMS shore side vessel monitoring application with cloud based GUI that is mobile/tablet friendly
- Durable operational range -20 -to +55 degrees Celsius
- Internal rechargeable battery, 72 hours operation following mains power failure
- Robust IP67 housing impact/UV/salt water resistant
- Extended cellular coverage - multi network global SIM technology
- Advanced accuracy best in class GNSS (GPS, GLONASS and Beidou)
- Store and forward position if it is outside cellular coverage
- Stainless mounting brackets
- Internal anti-tamper switch sends alert if the device is opened
- Physical anti-tamper seals

Specifications

GSM Modem	
Region	Worldwide
Technology	GSM
Frequency	GSM: 850/900/1800/1900 MHz
Antenna	Internal GPS and cellular
Data transmission	GPRS multi-slot class 12 EDGA multi-slot class 12
Transmit protocol	TCP, UDP, SMS
Low power alarm	Alarm when modem internal back up battery is low
Motion detection	Motion alarm based on internal 3 - axis accelerometer
Charging voltage	5V DC
Operating temperature	-20 °C to + 55 °C
GNSS Specifications	
GPS type	u-blox all-in-one GNSS receiver
Sensitivity	Cold start - 147 dBm Tracking - 162 dBm
Position accuracy (CEP)	Autonomous <2.5m
TIFF (open sky)	Cold start: 30s average Hot start: 1s average
Housing	
GRP / Polyester	IP67 Impact/UV/salt water resistant
Impact Resistance (EN 50102)	IK 08
UV Resistance	UL 508
Flammability Rating (UL 746 C 5)	UL 945V
Dimensions	Height 160mm Width 100mm Length 55mm Weight 1.36kg



For impartial expert advice on which solution best suits your needs please contact our sales team

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