

## Pole Star Platform

# SkyWave IDP-690

Choose the SkyWave IDP-690 when you need a dedicated, compact and reliable plug-and-play tracking device.

The simple to install SkyWave IDP-690 offers a fast and convenient way to track vessels when you do not have access to an available or suitable Inmarsat-C transceiver. Simply connect the SkyWave IDP-690 to the power supply and it will start reporting automatically.

Combining the reliability of a dedicated device with the benefits of the latest IsatData Pro satellite technology, the IDP-690 offers global coverage,

two-way communications, low latency and near real-time reporting capability. Engineered for the marine environment, SkyWave IDP-690 features a rugged environmentally sealed enclosure and low-elevation angle antenna. It is one of the most reliable and low-maintenance terminals in Pole Star's range.

Ideal for charterers. Also recommended for powered assets such as support vessels, tugs, workboats and fishing vessels.



  
**inmarsat**

## Key Benefits

- Supplied ready to install
- Can be installed by crew
- Near real-time tracking for enhanced fleet intelligence
- Two-way communications via Inmarsat's L-band I4 satellite constellation
- Rugged, reliable and engineered for extreme temperatures and conditions
- Low look angle engineered for marine applications
- Compatible with the Pole Star platform

# SkyWave IDP-690 Technical Specification

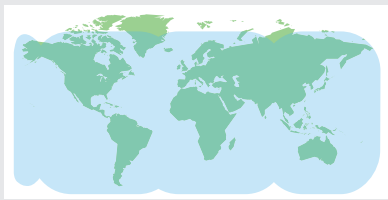
Physical	
Overall dimensions	10.1 cm x 12.6 cm x 12.6 cm
Weight	460 g

Environmental	
Temperature range	-40°C to +85°C (operating and storage)
Vibration	SAE J1455 (Sec 4.9, 4.2); MIL-STD-810G (Sec 514.6)
Environmental rating	IP67
Humidity	SAE J1455, section 4.2.3

Position reporting	
Automatic position reporting	Yes
Change reporting interval	Yes
On-demand position reporting	Yes

GPS	
Acquisition time	Hot: 1 sec; Cold: 30 sec
Accuracy	4.0 m (Horizontal CEP)
Sensitivity	Acquisition: -140 dBm; tracking: -158 dBm
Channels	8

Power	
Input voltage	9 to 32 V
Power consumption (typical @ 12 V dc, 22° C)	Receive with GPS: 49 mA Transmit: 0.75 A Sleep: 100 µA

Satellite	
Satellite service	Inmarsat IsatData Pro
Coverage	
Frequency range	Rx:1525.0 to 1559.0 MHz; Tx:1626.5 to 1660.5 MHz
EIRP	5.0 dBW
Elevation range	-15° to + 90°

Certifications/Compliance	
Satellite	Inmarsat Type Approved
Other	CE mark, FCC, RoHS, Anatel
VMS Type Approval	FFA Type Approval - pending



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