

# VMS

## Vessel Monitoring System



**VMS (Vessel Monitoring System)** merupakan perangkat monitoring sistem berbasis sinyal satelit yang berjalan pada jaringan Inmarsat.

VMS menawarkan fasilitas komunikasi transmisi data via satelit yang memungkinkan pertukaran data dan informasi kelautan dan perikanan untuk kepentingan nelayan, pemilik kapal maupun penyedia layanan (operator). Produk VMS dapat memberikan nilai tambah bagi nelayan berupa efisiensi, keselamatan, dan peningkatan hasil tangkapan ikan.

- **Vessel Tracker**
- **Emergency Button**
- **Geofence Alarm**
- **Text Messaging**
- **Mobile Apps**
- **Battery Backup**  
(khusus yg tipe batere)

**PT Industri Telekomunikasi Indonesia (Persero)**

✉ [info@inti.co.id](mailto:info@inti.co.id)

### Kantor Pusat

Jl. Moch. Toha No.77  
Bandung 40253  
Tlp : (022) 5201501  
Fax : (022) 5202444

### Kantor Cabang

Jl. Balitung 1 No.17 (Senopati)  
Jakarta Selatan 12110

### Fasilitas Produksi

Jl. Moch. Toha No. 225  
Bandung  
Tlp : (022) 5206510

Kontak :



## Spesifikasi

### Physical

<b>External Dimensions</b>	: p(max) x l(max) x t(max) < <i>Indoor</i> (250 x 200 x 200mm) <i>Outdoor</i> (136 x 136 x 102mm)
<b>Weight</b>	: max 5kg
<b>Housing</b>	: <i>Double shell housing with light color outer shell</i>

### Environmental

<b>Operating Temperature</b>	: -40°C to +85°C
<b>Storage Temperature</b>	: -40°C to +85°C
<b>Humidity</b>	: <i>Relative Humidity 20% - 100%</i>
<b>Dust &amp; Water Ingress</b>	: IP65 <i>non corrosive materials</i>
<b>Vibration</b>	: MIL-STD-810G, <i>Tracked Vehicle and Aircraft</i> SAE J1455, <i>Cab Mounted &amp; Transverse Axis</i>

### Electrical

<b>Input Voltage Range</b>	: 5VDC to 15VDC
<b>Nominal Supply Voltage</b>	: 12VDC
<b>Input Current</b>	: <i>Transmit mode: 750mA @12VDC</i> GPS on: ~70mA <i>Receive mode: ~80mA @12VDC</i>
<b>Back-up Battery</b>	: <i>Lithium Polymer</i>

### Satellite Data Communication

<b>Network</b>	: Inmarsat
<b>Frequency</b>	: <i>Downlink: 1525.0 MHz to 1559.0 MHz</i> <i>Uplink: 1626.5 MHz to 1660.5 MHz</i>
<b>Antenna</b>	: <i>Passive Antenna</i>

### Antenna Specification

<b>Frequency Range</b>	: IEEE 802.11b/g/n IEEE 802.11n (2.4 GHz), up to 150 Mbps
<b>Impedance</b>	: <i>Nominal value 50 ohm</i>
<b>Return Loss</b>	: <i>Better than 15 dB</i>
<b>Gain</b>	: 7 dBi
<b>Power Rating</b>	: 10W
<b>Polarization &amp; Axial Ratio</b>	: <i>Right hand circular polarization (RHCP)</i> <i>The axial ratio shall be less than 2 dB</i>

