

# CATALOG OF PRODUCTS

CraftCode AG and TechStar SatCom Ltd. have joined forces to offer a unique blend of advanced IT solutions and cutting-edge satellite technologies.

Together, we bring complementary strengths, a shared commitment to innovation, and decades of combined experience to deliver integrated, future-ready solutions.



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# ABOUT US

## CraftCode AG

Founded in 1989 and headquartered in Switzerland, CraftCode is a trusted provider of high-quality IT services. With a strong focus on quality, efficiency, and customer satisfaction, we support businesses across sectors with tailor-made digital solutions that enhance operations and enable growth.

### **Our Expertise spans:**

- IT Business solutions
- Software testing services
- Tech resource sharing and consultancy

We are committed to delivering reliable, secure, and scalable systems that streamline business processes and empower digital transformation.

## TechStar SatCom Ltd.

Headquartered in the United Kingdom, with a state-of-the-art manufacturing facility in the United Arab Emirates, TechStar SatCom Ltd. specializes in the design, development, and production of advanced satellite systems. We serve commercial, governmental, and defense clients with high-performance and mission-critical space technology.

### **Our Core Capabilities include:**

- Custom satellite system engineering
- End-to-end manufacturing solutions
- Integrated technologies supporting global connectivity

TechStar SatCom's integrated approach combines engineering excellence with world-class production standards, supporting innovation in space-based infrastructure and communications.

**Together, CraftCode and TechStar SatCom Ltd. offer a powerful partnership - blending IT software and embedded systems excellence with advanced aerospace engineering - to deliver innovative solutions aligned with the goals of the tendering authority.**



TECHSTAR SATCOM

# TS-MT100

## 1.0m Ku Band Maritime Antenna

High Intergrated of ACU, Modem and BUC  
Built-In INS  
Modular Design  
Simplified System Structure  
Easy Operation  
Remote Data Monitoring

### MODEL

TS-MT100

### Stabilization

3 axis stable and 4 axis tracking

### Reflector Size

Φ1000mm

### Dimension

Φ1205mm×1250mm

### Weight

≤85kg

### Frequency Range

RX:10.70~12.75GHz TX:13.75~14.50GHz

### Gain

RX: 40.10dBi@12.50GHz TX: 41.20dBi@14.25GHz

### Polarization

Linear

### Cross Pol Isolation

≥32dB



### Carrier Motion Range

Roll: -30° ~ 30°

Pitch: -30° ~ 30°

### Antenna Motion Range

Azimuth: 360° continuous rotation Elevation: -5°~110°

Roll: -30°~30° Polarization: 0°~270°

### Track Mode

INS measurement and carrier tracking

### Tracking Accuracy

≤0.2°

### Initial Acquisition

≤180s

### Input Power

DC24V

### Power consumption

150W (BUC excluded)

### Operating Temperature

-20°C ~ 65°C

# TS-MT100C

## 1.0m C Band Maritime Antenna

High Intergrated of ACU, Modem and BUC  
Built-In INS  
Modular Design  
Simplified System Structure  
Easy Operation  
Remote Data Monitoring

### MODEL

TS-MT100C

### Stabilization

3 axis stable and 4 axis tracking

### Reflector Size

Φ1000mm

### Dimension

Φ1205mm×1250mm

### Weight

≤110kg

### Frequency Range

RX:3.70~4.20GHz TX:5.85~6.725GHz

### Gain

RX:29.00dBi@3.80GHz TX:33.30dBi@6.30GHz

### Polarization

Linear

### Cross Pol Isolation

≥30dB



### Carrier Motion Range

Roll:-30° ~ 30°

Pitch:-30° ~ 30°

### Antenna Motion Range

Azimuth:360° continuous rotation Elevation:-5°~110°

Roll:-30°~30° Polarization: 0°~270°

### Track Mode

INS measurement and carrier tracking

### Tracking Accuracy

0.2°RMS

### Initial Acquisition

≤180s

### Input Power

DC 24V 50Hz, Peak power consumption 150W

### Operating Temperature

-20°C ~ 60°C

# TS-MT120IP

## 1.2m Ku Band Maritime Antenna

Automatically collect and output carrier position and attitude information

Storage of more than 10 satellite position parameter

Terminal One-key start, antenna tracking the satellite automatically

Polarization direction automatically adjust

Power-down memory and protection

Device detection and status checking

Power-on self test and fault alarming

### MODEL

TS-MT120IP

### Stabilization

3 axis stable and 4 axis tracking

### Reflector Size

Φ1200mm

### Dimension

Φ1520mm×1460mm

### Weight

120kg

### Frequency Range

RX:10.70~12.75GHz TX:13.75~14.50GHz

### Gain

RX≥41.30dBi (12.50GHz) TX≥42.50dBi (14.25GHz)

### Type

Ring focus

### Polarization

Linear



### Cross Pol Isolation

≥30dB

### Antenna Motion Range

Azimuth:360°continuous rotation Elevation:0°~125°

Roll: -25°~25° Polarization: 0°~270°

### Track Mode

INS measurement and signal tracking

### Tracking Accuracy

0.2°RMS

### Initial Acquisition

≤120s

### Re-Acquisition

block time ≤60s, acquisition immediately

60s < block time ≤10 minutes, acquisition ≤15s

block time >10 minutes, acquisition ≤60s

### Input Power

AC220V 50Hz, standard power consumption 250W

### Operating Temperature

-20°C~ 60°C

# TS-MT180CIP

## 1.8m C Band Maritime Antenna

Automatically collect and output carrier position and attitude information

Storage of more than 10 satellite position parameter

Terminal One-key start, antenna tracking the satellite automatically

Polarization direction automatically adjust

Power-down memory and protection

Device detection and status checking

Power-on self test and fault alarming

### MODEL

TS-MT180CIP

### Stabilization

3 axis stable and 4 axis tracking

### Reflector Size

Φ1800mm

### Dimension

Φ2290mm×2110mm

### Weight

350kg

### Frequency Range

RX:3.40~4.200GHz TX:5.85~6.725GHz

### Gain

RX:34.5dBi@3.8GHz TX:38.9dBi@6.3GHz

### Type

Ring focus

### Polarization

Linear



### Cross Pol Isolation

≥30dB

### Antenna Motion Range

Azimuth:360°continuous rotation Elevation:0°~120°

Roll: -20°~20° Polarization: 0°~270°

### Track Mode

INS measurement and signal tracking

### Tracking Accuracy

0.2°RMS

### Initial Acquisition

≤120s

### Re-Acquisition

block time ≤60s, acquisition immediately

60s<block time≤10 minutes, acquisition≤15s

block time>10minutes, acquisition≤60s

### Input Power

AC220V 50Hz, standard power consumption 250W

### Operating Temperature

-20°C~ 60°C

# TS-MT180IP

## 1.8m Ku Band Maritime Antenna

Automatically collect and output carrier position and attitude information

Storage of more than 10 satellite position parameter

Terminal One-key start, antenna tracking the satellite automatically

Polarization direction automatically adjust

Power-down memory and protection

Device detection and status checking

Power-on self test and fault alarming

### MODEL

TS-MT180IP

### Stabilization

3 axis stable and 4 axis tracking

### Reflector Size

Φ1800mm

### Dimension

Φ2800mm×2820mm

### Weight

350kg

### Frequency Range

RX:10.70~12.75GHz TX:13.75~14.50GHz

### Gain

RX:44.80dBi@12.50GHz TX:46.00dBi@14.25GHz

### Type

Ring focus

### Polarization

Linear



### Cross Pol Isolation

≥30dB

### Antenna Motion Range

Azimuth:360°continuous rotation Elevation:-5°~120°

Roll: -30°~30° Polarization: 0°~270°

### Track Mode

INS measurement and signal tracking

### Tracking Accuracy

0.2°RMS

### Initial Acquisition

≤120s

### Re-Acquisition

block time ≤60s, acquisition immediately

60s<block time≤10 minutes, acquisition≤15s

block time>10minutes, acquisition≤60s

### Input Power

AC220V 50Hz, standard power consumption 250W

### Operating Temperature

-20°C~ 60°C

# TS-MT240CIP

## 2.4m C Band Maritime Antenna

Automatically collect and output carrier position and attitude information

Storage of more than 10 satellite position parameter

Terminal One-key start, antenna tracking the satellite automatically

Polarization direction automatically adjust

Power-down memory and protection

Device detection and status checking

Power-on self test and fault alarming

### MODEL

TS-MT240CIP

### Stabilization

3 axis stable and 4 axis tracking

### Reflector Size

Φ2400mm

### Dimension

Φ3200mm×3320mm

### Weight

515kg

### Frequency Range

RX:3.40~4.20GHz TX:5.85~6.725GHz

### Gain

RX:37.00dBi@3.80GHz TX:41.40dBi@6.30GHz

### Type

Ring focus

### Polarization

Linear



### Cross Pol Isolation

≥30dB

### Antenna Motion Range

Azimuth:360°continuous rotation Elevation:-5°~120°

Roll: -30°~30° Polarization: 0°~270°

### Track Mode

INS measurement and signal tracking

### Tracking Accuracy

0.2°RMS

### Initial Acquisition

≤120s

### Re-Acquisition

block time ≤60s, acquisition immediately

60s<block time≤10 minutes, acquisition≤15s

block time>10minutes, acquisition≤60s

### Input Power

AC220V 50Hz, standard power consumption 250W

### Operating Temperature

-20°C~ 60°C





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