

# mmTR<sup>®</sup> Caster

Multi-mode GNSS reference station system

## FEATURES

### GNSS signal tracking

544 hardware channels for simultaneous tracking of all visible supported satellite signals:

- GPS : L1C/A, L1C, L1PY, L2C, L2P, L5
- GLONASS : L1CA, L2CA, L2P, L3 CDMA
- Beidou : B1I, B1C, B2a, B2I, B3I
- Galileo : E1, E5a, E5b, E5 AltBoc
- QZSS : L1C/A, L1C, L2C, L5, L6
- Navic : L5
- SBAS : Egnos, WAAS, GAGAN, MSAS, SDCM (L1, L5)
- On module L-band

### NavSys's proprietary technologies

- **Multicaster :**
  - Compatible with private/public GNSS reference station networks (e.g., GNSS CORS network)
  - Continuous monitoring of short- and long-term stability of GNSS reference stations
  - Scalable GNSS correction data service for a number of simultaneous clients
- **Related Patents :** 10-2480741, 10-2538541 (Korea)

mmTR<sup>®</sup> Caster is a real-time, powerful GNSS reference station system that enables access to public/private GNSS networks and transmits GNSS correction data to numerous clients.



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## PERFORMANCE

### GNSS network access

- CORS (public) network Compatible
- Local (private) network Compatible

### GNSS correction service

- Number of clients max 65,000 (default 100)
- Service expansion Modularized

### GNSS output

- Measurements ≤ 100 Hz

## PERIPHERAL

### On-Board

- Processor Intel Celeron N5105 (2.9 GHz)
- Memory DDR4 SO-DIMM (8 GB)
- Networking RJ45 (10/100/1000/2500 Mbps)

## PHYSICAL & ENVIRONMENTAL

### Electrical

- Input voltage 15.0 V
- Power consumption 60 W max

### Environmental

- Operating temp -40 to 85 °C
- Storage temp -55 to 85 °C
- Humidity 5-95% (non-condensing)
- Vibration MIL-STD-810G
- Certification KC, CE, RoHS, WEEE
- Registration No. R-R-Nmm-mmTR-SPlus

### Package

- Size 156(W) × 80(H) × 240(L)mm
- Weight 1,450 g
- Main Storage 250 GB
- Back-up memory size 64 GB