

# MTS 3.0

## MOBILE TRACKING SYSTEM

The TSC Mobile Tracking System 3.0 (MTS3.0) extends the range of air-to-ground data links. By simplifying the inherent complexities of a tracking system, TSC is able to deliver an easy-to-use unit that minimizes user error and maximizes network performance.

The MTS3.0 is built on the same principles as the MTS2.0, but allows for mounting much larger (or multiple) antennas. This gives an end user the ultimate flexibility to mount a wide range of antennas for any purpose.



## SIMPLY HIGH BANDWIDTH.

- Minimal mechanical setup required
- Automatic heading calculation
- Radio agnostic, modular design
- Integrated Inertial Navigation System (INS)
- Built in gimbal stabilization
- Web-based Graphical User Interface (GUI)
- Compatible with Single Input, Single Output (SISO) and Multiple Input, Multiple Output (MIMO) networks
- Various frequency band packages available
- Tower mountable or tripod available separately
- Speeds: Pan 15 deg/sec, Tilt 10 deg/sec
- Integration assistance & support available
- RF Tracking for GPS Denied Environments
- Tracking options include CoT, Piccolo, Mavlink, ADS-B, etc.



MTS 3.0 Dual Antenna

Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications subject to change without notice.

Technology Service Corporation®. Approved for public release 10/3/2022.

All rights reserved. Mobile Tracking System (MTS) 3.0

[tsc.com](https://tsc.com)



# MTS 3.0 FEATURES & SPECIFICATIONS

The MTS3.0 is customizable to an operator's unique requirements. The size of the unit lends itself to a more permanent installation but with optional features like gimbal stabilization and continuous heading updates, the MTS3.0 can be completely mobile. There are a number of antenna options for multiple frequency bands. As with all TSC MTS products, the MTS3.0 is radio agnostic.

## Includes up to 3 cases

(dependent on options purchased)

**Tripod Case** 46" x 16" x 14", 60 lbs

**Dish Case** 41" x 13" x 34", 45 lbs

**Remaining Equipment Case** 34" x 24" x 20", 85lbs

Assembly and setup time is approximately 15 minutes depending on configuration



		LARGE DISH		DUAL DISH	
<b>Antenna Gain</b>	L-Band:	24 dBi	MTS3-LD	21 dBi	MTS3-LP
	S-Band:	28 dBi	MTS3-SD	24 dBi	MTS3-SP
	C-Band:	35 dBi	MTS3-CD	31 dBi	MTS3-CP
<b>Dish</b>	L-Band:	10°	MTS3-LD	17°	MTS3-LP
	S-Band:	6°	MTS3-SD	11°	MTS3-SP
	C-Band:	3°	MTS3-CD	4.7°	MTS3-CP
<b>Size</b>	Dish (Diameter)	48" (x1)		30" (x2)	
	Total Elements	2		4	
<b>Polarization</b>		Dual Ploarized		Dual Ploarized	
		Twist lock to change		Twist lock to change	
	V/H	+/- 45°		+/- 45°	
<b>Operation</b>	Elevation	0-90°		0-90°	
	Pan	360° continuous		360° continuous	
	Accuracy	<1°		<1°	
<b>Environmental</b>	Temperature	-15° C to 55° C		-15° C to 55° C	
	Protection Level	IP67		IP67	
	Automatic Heading	Optional		Optional	

Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications subject to change without notice.

Technology Service Corporation®. Approved for public release 10/3/2022.

All rights reserved. Mobile Tracking System (MTS) 3.0

tsc.com

