



## MINI GGS IMU V2

GPS//GL//BDS//GAL

1408 CHANNELS

IMU 2CM  
UP TO 90 DEG

0.38 KG  
9CM X 5 CM

IP67//2M DROP

8MM+1 PPM  
15MM+1 PPM

BUILD IN UHF  
MODEM

UP TO 10H  
BATTERY



**THE SMALLEST IMU  
GEODETIC RECEIVER WITH UHF  
UNDER GGS BRAND**

**\* THE SET INCLUDED:**

- MINI GGS V2 RECEIVER
- RUGGED CONTROLLER MIL-STD 6.5" IP69K 15000MAH//UP TO 40H OR KEYBOARD ONE
- MINIATURIZED HARD CASE (23.5X19X9.5cm)
- FIELD ANDROID APPLICATION WITH PERMANENT LICENCE
- TELESCOPIC POLE WITH CASE

**2 YEARS WARRANTY**

ONLINE SHOP/STATIONARY/SERVICE CENTER/AUTHORIZED DEALER

# LEADING PROFESSIONAL RTK INTO ULTRA SMALL ERA

The pocket size geodesic GNSS device, with a mass of less than 0,38kg and build in UHF modem. However may be the small but it has all the vital organs, its equipped with a high-performance OEM board with the 1408 channels. Support all satellites and all frequency brands. Perform well even in complex environments. In addition, this small body is also equipped with a fast initialization, calibration free & immune top magnetic interference IMU module. This technology allow to collect or stakeout points up to 90deg. Because of the ultra-small size of the device, it can basically meet the needs of various measurement scenarios, such as surveying, positioning, GIS industry, pipeline measurements and so on.



**GPS GLOBAL SOLUTIONS®**

## SPECIFICATIONS

### GNSS

Channels	1408
	GPS: L1C/A, L1C, L2C, L2P, L5
	BDS: B1I, B2I, B3I, B1C, B2a, B2b
	GLONASS: G1, G2, G3
Signal Tracking	Galileo: E1, E5a, E5b, E6
	QZSS: L1C/A, L1C, L2C, L5
	SBAS: L1
	NAVIC: L5

*1 High Precision Static	H: $\pm (2.5+0.5 \times 10^{-6}D)$ mm
	V: $\pm (5+0.5 \times 10^{-6}D)$ mm
RTK	H: $\pm (8+1 \times 10^{-6}D)$ mm
	V: $\pm (15+1 \times 10^{-6}D)$ mm

Tilt Compensation	Accuracy $\pm (8+0.3TILT)$ mm
	*2 Angle 0~120°
	Update Rate 100Hz

System Parameters	Operating System RTOS
	Data Record DAT
	Bluetooth BT5.0 Backward compatibility

	Power 1w
	Frequency 410-470MHz

Radio	Global Communication Protocol TRIMTALK 450S、TRIMMARKIII、SOUTH19600、SOUTH19200、SATEL9600、SATEL19200、TRANS PARENT
	Operation Mode Transceiver

Power	Voltage 5-12V Power Delivery
	Working Time 18h (Network Mode)、15h (Radio Reception)、8h (Radio Transmission)

	SMA Connecting the radio antenna
Port Indicator	Type-C For charging & Data connection

	Indicator Lights satellite, datalink, bluetooth, battery light
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Physical	Dimension 98mm*53mm(Excluding 5/8 pin interface)
	Weight 380g

	Operating Temperature -30°C ~ +70°C
	Storage Temperature -40°C ~ +80°C

Environmental	Water/Dust Proof IP67
	Shock Normal temperature resistance of 1.5 m drop (hard ground)
	Humidity Up to 100%

