



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
GEODETTIC 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.



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SPECIFICATIONS



GNSS

Channels	1408
	GPS: L1C/A, L1C, L2C, L2P, L5
	BDS: B1I, B2I, B3I, B1C, B2a, B2b
	GLONASS: G1, G2, G3
	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

Radio

Power	1w
Frequency	410-470MHz
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)

Port Indicator

SMA	Connecting the radio antenna
Type-C	For charging & Data connection
Indicator Lights	satellite, datalink, bluetooth, battery light

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%



GGG B55 KEYBOARD CONTROLLER

Technical Specification

Platform	Display screen	5.5 inches, resolution 720*1440	
	Processor	8-Core 2.0GHz	
	System	Android 11	
	Internal storage	4+64G	
	Rear camera	13 million autofocus cameras	
Network	Wlan	IEEE 802.11 a/b/g/n/ac 2.4G/5G	
	Bluetooth	BT5.0 (BLE)	
	NFC	Protocol support: ISO14443A/B, ISO15693, Distance: 0-5cm	
	wwan		FDD-LTE B1/B3/B5/B7/B8
			TDD-LTE B38/B39/B40/B41
		WCDMA B1/B2/B5/B8	
		GSM B2/B3/B5/B8	
Battery	Volume	3.7V, 7700mAh	
	Speaker	95dB±3	
Video	MIC	MIC*1	
	Type-c	Support OTG, fast charging	
Interface	SD card slot	The maximum support is 256G	
	SIM card slot	DualSIM	
	Size	221*77.7*16mm	
Physical parameter	Weight	335g	
	Operating temperature	-20°C – 55°C	
	Storage temperature	-30°C – 70°C	
	Operating humidity	5%–95%	
	Drop	1.5m Hard ground	
	IP Protection	IP67	

*The above technical parameters are for your reference. The company reserves the right to change the design and planning of the product based on the actual product.



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