












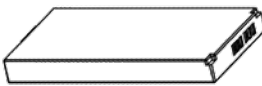
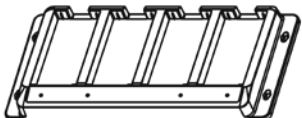
-  Android 5.1 system on Quad-core 64bits CPU
-  Up to 2cm accuracy L1 GNSS RTK
-  Works as Rover or Base Station
-  Supports WiFi / BT / 4G LTE multiple data networks
-  Supports majority of GIS & Land Survey app
-  IP65, 1.2m drop, rugged design for field work

# D302-RTK cm Level Handheld RTK Receiver

D302-RTK is a high accuracy positioning handheld device with rugged design, based on Android OS.

It integrates with optimized centimeter level RTK positioning engine. With external survey grade GNSS antenna or optional helix GNSS antenna, D302-RTK provides up to 2cm positioning accuracy. This RTK handheld device supports WiFi/BT/LTE networks. It is powered by 3200mAh swappable battery, which enables various land survey applications without the constant worry of battery life.

D302-RTK is a perfect product for land survey, GIS data collection and other field works requiring high accuracy positioning feature.

D302-RTK		
System	Operating System	Android 5.1
	CPU	Quad-core 64 bits 1.3GHz
	RAM	2GB
	Storage	16GB
GNSS Specifications	Supported constellations and frequencies	GPS L1, GLONASS L1, Beidou B1, Galileo E1, SBAS, QZSS
	GNSS Mode	GPS + GLONASS + Galileo
		GPS + BDS + Galileo
	Time to First Fix (TTFF)	Cold Start <30 seconds
		Hot Start: 1 second
		Signal Re-acquisition <1 seconds
	RTK initialization time	<120s *1
	Single Baseline RTK (baseline<5km, max 10km) *2	0.02m + 1ppm CEP horizontal
0.04m + 1ppm CEP vertical		
Output rate	1Hz	
Display	5 inch 1280x720 , sunlight readable	
Touch	Capacitive Multi-Touch	
Bluetooth	4.0LE	
WiFi	IEEE 802.11 a/b/g/n, 2.4GHz + 5GHz	
Cellular Network	GSM: B2, B3, B8 WCDMA: B1, B8 TDD_LTE: B38, B39, B40 FDD_LTE: B1, B3	
Camera	13M pixels, Auto focus, LED flash	
Battery	3.7v 3200mAh 11.84mWh Li-Polymer Battery	
Interface	1x MicroUSB port for data and power charging	
	1x MicroSD socket (32GB)	
	1x SMA for GNSS antenna	
Environment	IP Rate	IP65, 1.2m drop
	Temperature	Operating: -20 ~ +60°C
		Storage: -30 ~ +70°C
Humidity	5% ~ 95% non-condensing	
Weight&Size	160mm x 83.6mm x 23mm, 295g	
Standard Package	D302-RTK device (include battery)	
	RF cable (1.5 meter)	
	Waist strap	
	  <p style="text-align: center;">Survey-grade GNSS antenna                      Power Adapter and USB Cable</p>	
Optional Accessories	   <p style="text-align: center;">Helix GNSS Antenna                      Extra Back up Battery ( 3200mAh 11.84Wh )                      Extra Battery Charger</p>	
Part Number	PJ3-302-010	

\*1 SV > 10 , PDOP < 2.2 , GPS > 5

\*2 These specifications may be affected by atmospheric conditions, signal multipath, and satellite geometry.