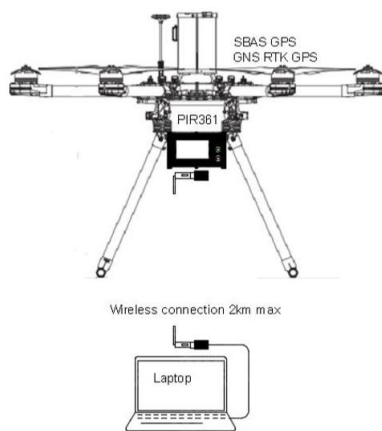


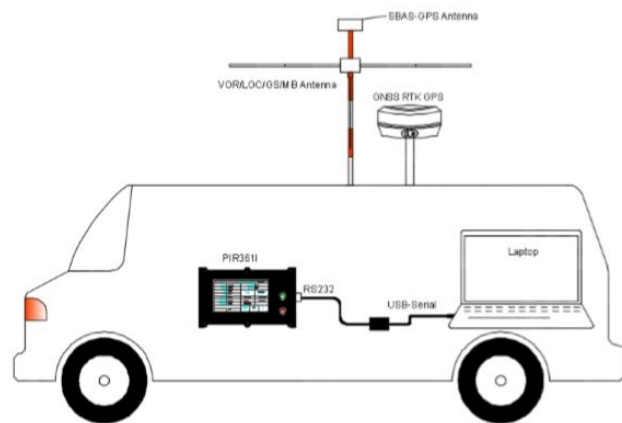
Applications

PIR361 is SWaP designed analyzer, optimized for size and weight without any compromise in terms of performance and functions. PIR361 gives maximum mobility, so can be easily equipped on Drone by compact size and light weight. 10hours and more battery operating time, weatherproof for outdoors, and wireless connection support Drone fly as well. PIR361 can be utilized for vehicle mounted measurement, ground measurement, and far-field monitor application.

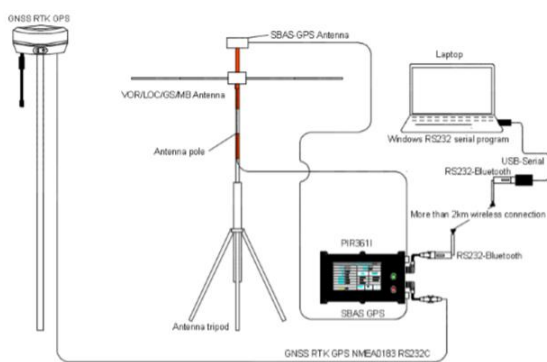
PIR361 will give maximum flexibility for accessories and options in terms of compatibility and logistics. The user can use listed accessories and/or its equivalent products.



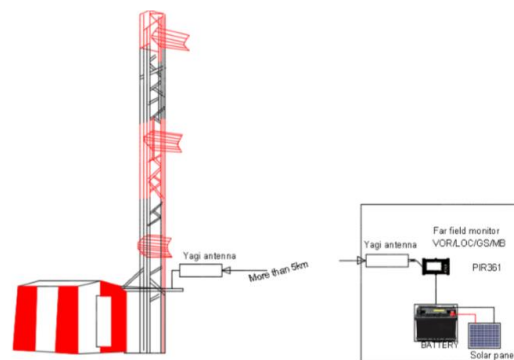
Drone fly measurement



Vehicle mounted measurement



Ground measurement



Far-field monitor application

Specification

Electrical specifications			
Signals	LOC/VOR	GS	MB
Frequency range	108 to 117.95MHz	329.15 to 335.0MHz	75MHz only
RF impedance	50Ω		
Rx sensitivity	-85 to -15dBm		
Frequency stability	±100ppb@+25°C		
RF power reading accuracy	±1.0dB max		
ILS DDM accuracy	±0.0001 @ -80dBm		
VOR bearing angle accuracy	±0.2° Max @ -80dBm		
Operating temperature	0°C to +55°C		
Battery	10,000mA/hour Li-ion (10hours operation after fully charged)		
Power consumption	3.55watts max with full brightness touch screen TFT LCD		
GPS Input	SBAS GPS (Default installed inside PIR361)	(±1meter long., lat. /±2meter alt.) Type N connector	
	GNSS RTK GPS (Any vendor's product will be compatible if RS-232 serial port is available)	Protocol: NMEA0183 3pin DIN to D-SUB 9pin connector	
LCD	5.0 Inch TFT resistive touch (480 X 272 pixel)		
DC power supply	USB2.0 to DC barrel connector with +5.1Vdc@2.1A with AC/DC Adaptor		
DC Power consumption	3.55Watts@5.0Vdc with LCD full brightness		
Data & calibration interface	Protocol: RS232 (Baud rate:57.6Kbps fixed) 8pin DIN to D-SUB 9pin connector. 100/1sec maximum data rate		
Related Specifications	ICAO Annex-10 CAT III		
Mechanical specifications			
Dimensions	196mm X 120mm X 67mm (W x D x H)		
Weight	1.62 kg		
Body material	2mm thick aluminum (EMI shield)		

For more information, please contact

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The specification is subject to change without notice.

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