

DMB 지원 GNSS RTK 수신기

(Model: AKT980RD) v10



*This image can be changed without notice

■ Introduction

- DMB 내장. 고성능 일체형 고성능 RTK GNSS 수신기. Dual Antenna 지원 (Vector Antenna)
- DMB 보정신호 수신, 단독 RTK, VRS 보정신호 처리 기능
- 중량 1 Kg, 사용시간 8시간 이상. 소형: 172mm*80mm
- 다양한 통신 방식 제공 Bluetooth / 시리얼 포트 / USB / Ethernet 포트
- 사용자 요청에 따른 firmware 변경, 사용자 Upgrade 가능
- mm급 정확도: 8mm+1ppm / V15mm+1ppm

■ Specification

	Description
GNSS Solution	High Precision RTK GNSS
Channel	More 220 channels Maxwell 6 chip
Frequency	<ul style="list-style-type: none"> - Position Antenna based on 220 channel Maxwell 6 chip: <ul style="list-style-type: none"> ■ GPS: Simultaneous L1 C/A, L2E, L2C, L5 ■ GLONASS: Simultaneous L1 C/A, L1P, L2 C/A, L2P ■ SBAS: Simultaneous L1 C/A, L5 ■ BeiDou: B1, B2 ■ Galileo: L1 BOC, E5A, E5B, E5AltBOC ■ QZSS: Simultaneous L1 C/A, L1 SAIF, L2C, L5 ■ L-Band Omni STAR VBS, HP, AND XP - Vector Antenna based on second 220 channel Maxwell 6 chip: <ul style="list-style-type: none"> ■ GPS: Simultaneous L1 C/A, L2E, L2C ■ GLONASS: Simultaneous L1 C/A, L2 C/A, L2P ■ BeiDou: Simultaneous B1

	■ Update Rate : 1 Hz(default) Max 50 Hz(option)			
Position Accuracy	Mode	Accuracy	Latency	Maximum Rate
	Single Baseline RTK(<30Km)	0.008m + 1 ppm Horizontal 0.015m + 1 ppm vertical	< 20ms	50 Hz
	DGPS	0.25m + 1ppm Horizontal 0.50m + 1ppm vertical	< 20ms	50 Hz
	SBAS	0.50m Horizontal 0.85m Vertical	< 20ms	50 Hz
Heading Accuracy	Baseline	Accuracy	Maximum Rate	
	2m	<0.09 degree	50Hz	
	10m	<0.05 degree	50Hz	
Baud Rate	Up to 460,800 bps			
Physical Characteristic	<ul style="list-style-type: none"> - Size: 18 cm x 13 cm x 7.5 cm - Power: Input DC-005, Center+, 2.0mm DC 12V/4A <ul style="list-style-type: none"> Typical : 2.5W (L1/L2 GPS) Typical : 2.6W (L1/L2 GPS and G1/G2 GLONASS) - Weight : 1.0Kg - I/O Connector: <ul style="list-style-type: none"> 1 x RS232 ports / 2 x TNC Female (Antenna Connector) /1 x LAN Ethernet port 2 x USB(B) port / RF SMA Female antenna(2.4GHz) 			
Working Temperature	Operating : -40 ~ 80 Storage : -55~85			
Navigation Output	ASCII: NMEA-0183 GSV, RMC, GGA, GSA (default) AVR, , HDT, VGK, VHD, ROT, GGK, ZDA, VTG, GST, PJT, PJK, BPQ, GLL, GRS, GBS Binary: Trimble GSOE (option)			
Communications	<ul style="list-style-type: none"> - DMB Receiver - 1 LAN port <ul style="list-style-type: none"> Supports links to 10BaseT/100BaseT networks All Functions are performed through a single IP address simultaneously- including web interface access and data streaming - RS-232 ports Baud rates up to 460,800 (DB-9FM) - Bluetooth class 2, distances up to 15 meters - Antenna input : TNC female (position & vector) power out DC5V, 100mA Max - (옵션) 2.4GHz RF Transmitter 			
Package / Accessory	<ul style="list-style-type: none"> - Main Set (1EA) - GNSS L1/L2 Antenna & GPS cable (Each 1EA) - RF Antenna & cable (Each 1EA) - Power Adaptor. 220 ACV to 12V/4A (1EA) - Ethernet Cable (1EA) 			

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| | <ul style="list-style-type: none">- RS-232 Cable (DB9(F)-DB9(M))- USB (B) cable (1EA)- RS-232 to USB converting cable (1EA) |
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