High-Precision Anti-Jamming Anti-Spoofing Integrated GNSS Receiver TK2 - 9CM

Product Features

1. Full GNSS constellation, L1 frequency, high-precision positioning. Accuracy <1 m with out being jammed, and 0.5–5 m with being jammed.
2.Active cancellation for GNSS jamming, fully analog, low power and low latency.
3.Adaptive narrowband filtering against full-band VCO sweep jamming for agile suppression.
4.Baseband signal timingly analysis, identifying and eliminate GNSS spoofing signals.
5.Multi-element antenna with adaptive beamforming to block interference.
6.Low power consumption, can be powered directly by the flight controller without extra power supply

Specifications

Size	9cm Diameter
Weight	<0.15kg
Power Consumption	<1w
RF Hardware Channel	780
Output Interface	Uart (5V/GND/TX)
Baud Rate	115200
Data Update Rate	10Hz
GNSS	GPS: L1; GLONASS: L1; Beidou: B1; Galileo: E1
Max. Supported Speed	600m/s
Cold Start	<40s
Full Band RTK	<No
Positioning Accuracy	<1 m without jamming, 0.5–5 m with jamming.
Anti-jamming Anti-spoofing Performance	TK2-9CMC: Single-Jammer: 96dB; Anti-Spoofing: No
	TK2-9CMA: Single-Jammer: 112dB; Anti-Spoofing: Yes

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High-Precision Anti-Jamming Anti-Spoofing Integrated GNSS Receiver TK2-15CM

Product Features

1. Full GNSS constellation, full GNSS frequency, high-precision positioning. Accuracy <1 m without being jammed, and 0.5–5 m with being jammed.
2.Active cancellation for GNSS jamming, fully analog, low power and low latency.
3.Adaptive narrowband filtering against full-band VCO sweep jamming for agile suppression.
4.Baseband signal timingly analysis, identifying and eliminate GNSS spoofing signals.
5.Multi-element antenna with adaptive beamforming to block interference.
6.Low power consumption, can be powered directly by the flight controller without extra power supply

Specifications

Size	15×15 cm
Weight	<0.30kg
Power Consumption	<1w
RF Hardware Channel	780
Output Interface	Uart (5V/GND/TX)
Baud Rate	115200
Data Update Rate	10Hz
GNSS	GPS: L1, L2C, L2PY, L5; GLONASS: L1CA, L3 CDMA; Beidou: B1I, B1C, B2a, B2I; Galileo: E1, E5a, E5b, E6
Max. Supported Speed	600m/s
Cold Start	<40s
Full Band RTK	<YES
Positioning Accuracy	<1 m without jamming, 0.5–5 m with jamming.
Anti-jamming Performance	Single-Jammer: 125dB; Dual-Jammer: 115dB

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High-Precision Anti-Jamming Anti-Spoofing Integrated GNSS Receiver TK2-32CM

Product Features

1. Full GNSS constellation, full GNSS frequency, high-precision positioning. Accuracy <1 m without being jammed, and 0.5–5 m with being jammed.
2.Active cancellation for GNSS jamming, fully analog, low power and low latency.
3.Adaptive narrowband filtering against full-band VCO sweep jamming for agile suppression.
4.Baseband signal timingly analysis, identifying and eliminate GNSS spoofing signals.
5.Multi-element antenna with adaptive beamforming to block interference.
6.Low power consumption, can be powered directly by the flight controller without extra power supply

Specifications

Size	D 32cm
Weight	<0.80kg
Power Consumption	<2w
RF Hardware Channel	780
Output Interface	Uart (5V/GND/TX)
Baud Rate	115200
Data Update Rate	10Hz
GNSS	GPS: L1, L2C, L2PY, L5; GLONASS: L1CA, L3 CDMA; Beidou: B1I, B1C, B2a, B2I; Galileo: E1, E5a, E5b, E6
Max. Supported Speed	600m/s
Cold Start	<40s
Full Band RTK	<YES
Positioning Accuracy	<1 m without jamming, 0.5–5 m with jamming.
Anti-jamming Performance	Single-Jammer: 138dB; Dual-Jammer: 120dB

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