

# NX510SE SPECIFICATIONS

## Positioning Accuracy

Real time kinematics (RTK)	Horizontal: 8 mm + 1 ppm RMS Vertical: 15 mm + 1 ppm RMS Initialisation time: < 5 s Initialisation reliability: > 99.9%
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Velocity accuracy	0.03 m/s RMS
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## Performance

Pass to pass accuracy	$\leq \pm 2.5$ cm
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## Physical

External power	9 V DC to 32 V DC
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Environment	Operating: -20°C ~ +70°C Storage: -40°C ~ +85°C
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## Electric Steering Wheel

Power input	9 V DC to 32 V DC
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Torque	7.5 N·m
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Wheel diameter	410 mm
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Motor height	80.5 mm
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## Display

Display	10.1" touch screen, 281 mm x 181 mm x 42 mm Android 6.01 Dust and Waterproof: IP65
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## Rear Camera

Pixel	1280 x 720 pixels
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Camera angle of view	120°
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## Receiver

Size	220 mm x 205 mm x 60 mm
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Weight	< 2 kg
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Power	9 V DC to 36 V DC
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Dust and waterproof	IP67
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## Constellations

GPS	L1/L2/L5
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BDS	B1I/B2I/B3I/B1C/B2a/B2b
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Galileo	E1/E5a/E5b/E6
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GLONASS	L1/L2
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SBAS	L1
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QZSS	L1/L2/L5/L6
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## Communication and Data

WiFi/Bluetooth	Yes
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Serial port	RS232 x 2
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CAN ports	2
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NMEA output	1/2/5/10 Hz
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Correction formats	RTCM 3.0/3.1/3.2/3.3
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4G Network modem	Integrated in receiver and in display
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UHF module	Frequency: 410-470 MHz Protocol: TT450S/Transparent/CHC
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Output interface	3 x LEDs (power, satellite, RTK correction) 1 x UHF antenna connector
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\* Specifications are subject to change without notice.