



GeoMax Zenith06 Pro

Product Information
April 2025



GeoMax Zenith06 Pro GNSS smart antenna

The brand new GeoMax Zenith06 Pro – Tilt easy, measure fast



Works when you do



Internal Product Announcement

April 2025

Product Announcement and Release

May 2025



GeoMax Zenith06 Pro – Highlights

Calibration-free Tilt Compensation makes measuring faster and more flexible by eliminating the need to level the pole. Get reliable results quickly and gain access to difficult points for overall productivity gains.

GeoMax X-PAD Ultimate GO/Survey/Build Field Software Integration - X-PAD field software includes tools to make the most common GNSS positioning tasks with the Zenith06 Pro easier.

Accuracy perfect for stake out and layout, grade checking, and field data collection on construction sites and more.

Multi-Constellation Support -GPS, Glonass, Galileo, BeiDou, QZSS - to enhance accuracy and reliability, especially in demanding environments, and adapt to evolving GPS/GNSS infrastructure.



Dual-frequency

GNSS board with 184 channels

Portability and Durability - IP67 protection against dust and water - the most compact and lightweight of the GeoMax GPS/GNSS Smart Antennas, the Zenith06 Pro is perfect for the longest days in the field. At the same time, it's tough and durable enough to work across challenging construction environments.

Withstands 2 m pole topple-over



GeoMax Zenith06 Pro – Technical Data



RECEIVER SPECIFICATIONS

Measurement Engine	184 channels, dual-frequency, multi-constellation
GPS tracking	L1 C/A, L2C
GLONASS tracking	L1OF, L2OF
Galileo tracking	E1 B/C, E5b
BeiDou tracking	B1I, B2I
QZSS tracking	L1 C/A, L2C
SBAS tracking	L1
Positioning rate	10 Hz
Initialisation time	typ. 8 sec

QUALITY MODE

Tilt Compensation	Calibration-free, Resistant to magnetic interferences
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INTERFACES

Keyboard	On/off button
LED status indicators	Bluetooth, RTK, Position, Battery

COMMUNICATION

4G LTE modem	Available on Zenius controllers
Bluetooth®	BT4.2 LE
Communication port	USB Type C
RTK data protocols	RTCM 3.0, RTCM 3.1, RTCM 3.2, RTCM 3.3, RTCM MSM

PHYSICAL SPECIFICATIONS

Dimensions	139 mm x 80.6 mm x 30.6 mm
Weight	340 g
Operating temp.	-40°C to +65°C
Environmental protection	IP67 water- and dustproof
Humidity	Rarely and slightly condensing. ISO 9022-12-04 (+65°C, 92%, 62h)
Vibration	Withstands strong vibration. ISO 9022-36-03-0
Shock	Withstands a 1.2 m drop onto a hard surface

* Measurement precision, accuracy, reliability and time for initialisation are dependent upon various factors including number of satellites, observation time, atmospheric conditions, multipath etc. Figures quoted assume normal to favourable conditions.

GeoMax Zenith06 Pro – Technical Data



RECEIVER ACCURACY AND PERFORMANCE *

RTK	Hz: 2 cm + 1 ppm V: 3 cm + 1 ppm
Static	Hz: 2 cm + 1 ppm V: 3 cm + 1 ppm
Tilt compensated real-time kinematic	Additional Hz uncertainty 2 cm up to 30° tilt
GNSS Initialisation	Cold start: 24 sec Reacquisition: 2 sec

POWER SUPPLY

Internal battery	Li-Ion 3.8 V / 6.12 Ah
Operating time	> 20 h

* Measurement precision, accuracy, reliability and time for initialisation are dependent upon various factors including number of satellites, observation time, atmospheric conditions, multipath etc. Figures quoted assume normal to favourable conditions.



GeoMax Zenith06 Pro vs. Zenith55

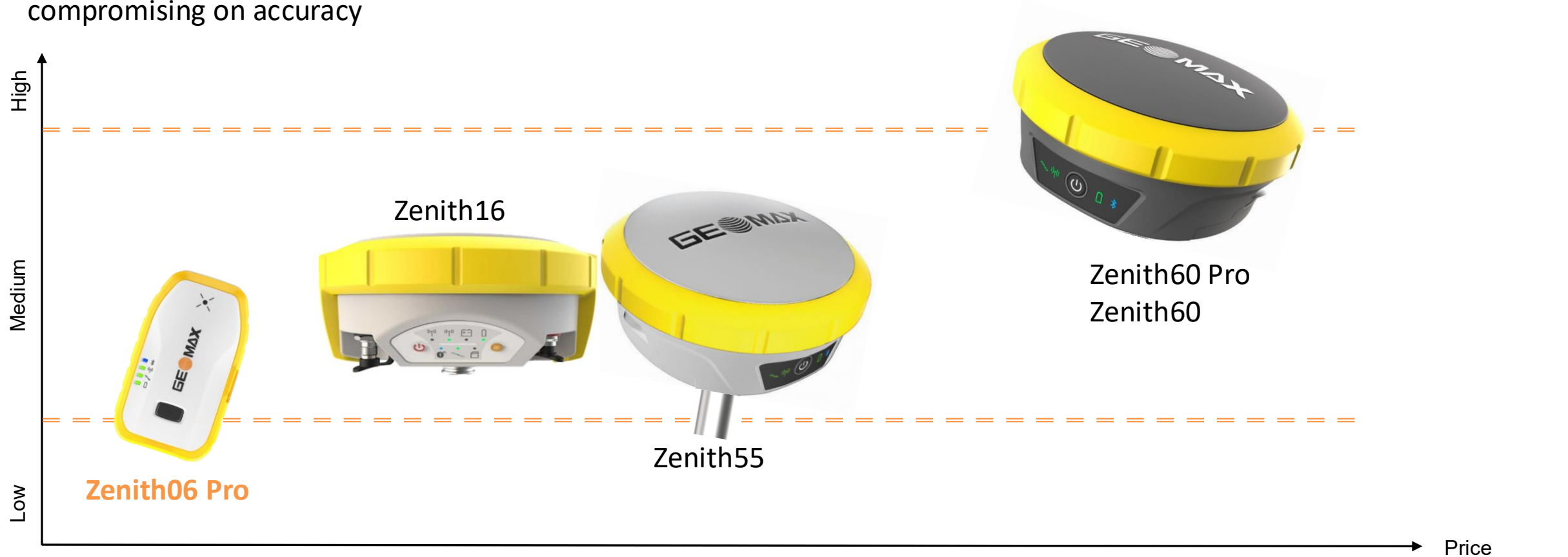


	Max. RTK Accuracy	Reliability	Tilt compensation	Cellular	UHF	GNSS Channels / GNSS Frequencies
 Zenith06 Pro	Hz 20 mm V 30 mm	★★★★☆	Yes	Controller internal	—	184 Dual
 Zenith55	Hz 10 mm V 20 mm	★★★★☆	Yes	4G	Yes	600+ All
Benefit	Accuracy	Trust	Productivity	Connectivity		Availability Accuracy

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GeoMax Zenith06 Pro – Positioning

The Zenith06 Pro is the most compact, lightest and easiest to use. As an entry-level smart antenna with tilt compensation, it's the right choice for customers who need measurement flexibility and speed for their tasks without compromising on accuracy



GeoMax Zenith06 Pro Rover



1015031	Zenith06 Pro Rover	GRP (EUR)
	Zenith06 Pro multi-constellation GNSS receiver with tilt compensation, Bluetooth, GPS, GLONASS, Galileo, BeiDou, dual-frequency, 10 Hz positioning rate. Including power adapter, USB-C charging cable, soft bag, pole mount and multilingual Quick Guide.	4 600

Accessories (compatible with Zenith06 and Zenith06 Pro)		GRP (EUR)
948915	ZHR106 Pole mount Zenith06	51
948916	ZCT110 Soft bag / Arm belt for Zenith06	40
964833	ZCT207 Container for Zenith06	157

GeoMax Zenith06 Pro – X-PAD Software

X-PAD

The GeoMax **X-PAD Software Suite** covers all the stages of a construction project, from design to plan and build. It is tailored for projects that require capturing accurate data in the field, transferring it quickly and securely to the office, storing and managing files on a single platform, post-processing GNSS static data, and more.

The X-PAD Suite includes:

-   **X-PAD Ultimate**, the dedicated GeoMax field software for GNSS antennas and total stations featuring straightforward workflows on site.
-  **X-PAD Office Fusion** combines in one environment all geospatial data from GeoMax sensors, laser scanners and drones, for creating your project deliverables.
-  **X-PAD 365** cloud platform for synchronized collaboration, file management and notifications.

The **GeoMax Zenius08** tablet is the perfect device to operate your X-PAD field software. Alternatively, X-PAD runs on current Android tablets and smartphones, allowing users to choose their preferred device.



GEOMAX

GeoMax Zenith06 Pro – Key Message



Tilt easy, measure fast

The Zenith06 Pro brings tilt compensation to our lightest and easiest-to-use smart antenna for accurate and flexible GPS site work. Connected to X-PAD software, the Zenith06 Pro means faster work and higher productivity in a streamlined digital workflow that takes you from site to office and the cloud.

Integrated into the GeoMax ecosystem, the Zenith06 Pro works seamlessly with GeoMax robotic total stations, field controllers and the X-PAD Suite software, making it more than a GNSS receiver – it's a comprehensive solution, resulting in dependable precision and efficiency.



Zenith06 Pro – Marketing Materials



Marketing Assets available online (Bynder & www) at PA/PR:

- Product Presentation
- Datasheet
- GNSS Comparison Chart
- GNSS Family Brochure
- Product Webpage
- Application Images
- Product Renderings

We invite you to share your insights on any other materials that could enhance the successful launch of Zenith06 Pro. Especially those that ensures sustained value beyond the launch and contribute to product comprehension and acceptance in your regions. Feel free to contact us: marketing.geomax@geomax-positioning.com.

Thank you for your cooperation and support!

GeoMax GNSS and TPS Solutions – Works when you do

