



Underwater Drone Geneinno T1-Pro Professional ROV with 4K UHD Camera, 175m Depth Rating, and 200m Tether

Modelis: T1-Pro-200M

Gamintojas: GENEINNO

EAN: 6972016030125

Prekės kodas: 21909

2,965.99€

Underwater Drone Geneinno T1-Pro: Professional 4K ROV for Deep Exploration

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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The Geneinno T1-Pro is a highly versatile and robust remotely operated vehicle (ROV) designed specifically for demanding professional and research applications. Engineered to withstand challenging submerged conditions, this advanced underwater drone can reach impressive depths of up to 175 meters. Its rugged construction and unique azimuthal control system provide exceptional stability and precise maneuvering, enabling it to operate effectively even in strong currents up to 4 knots (2 m/s). The T1-Pro is the ideal tool for tasks such as crucial hull inspection, deep wreck exploration, detailed aquaculture monitoring, and comprehensive seabed surveys.

High-Definition 4K Imaging and Stability

Capture stunning, clear underwater visuals with the T1-Pro's advanced camera system. It utilizes a powerful 1/2.3" SONY CMOS sensor, capable of recording cinematic 4K video (4000x3000 resolution at 30fps) and taking crisp 12 MP photos. The wide 160° field of view lens, combined with EIS Anti-Shake technology, ensures stable and smooth footage even when the drone is actively moving in difficult conditions. For professional post-production workflows, the camera supports standard JPEG, as well as advanced RAW and DNG formats.

Precision Control and Advanced Sensors

Precision is paramount for professional operations. The Geneinno T1-Pro is equipped with sophisticated IMU sensors, including a 6-axis gyroscope, accelerometer, and 3-axis compass, providing comprehensive control across 5 degrees of freedom (DOF). Dedicated sensors offer market-leading accuracy:

- Depth sensor precision: $\pm 0.05\text{m}$.
- Temperature sensor precision: $\pm 0.5^\circ\text{C}$.
- Tilt/tilt sensor precision: $\pm 1^\circ$.
- Yaw sensor precision: $\pm 1.5^\circ$.

Extended Endurance and Durable Tether System

Powering extended missions is a high-capacity 9000 mAh (97.2Wh) battery, providing up to 4 hours of continuous operation on a single charge. Recharging the battery takes only 3 hours. The drone is connected via a durable 200-meter tether cable, only 4.5 mm in diameter, yet capable of withstanding a working strength of 220 lbs (approximately 100 kg), ensuring reliable deep-water

operation and recovery.

Optimized Lighting and Intuitive Live Viewing

Visibility in dark depths is ensured by two powerful LED headlights, each delivering 1500 lumens (total 3000 LM). With a 60° beam angle and a neutral 4500K color temperature, these lights guarantee accurate and natural color rendering underwater. Control is managed via a dedicated 2.4 GHz controller, allowing for stable, real-time Full HD 1080p live transmission to a connected smartphone or tablet. The Geneinno App tracks the drone's status and precise location. A built-in wireless relay (supporting 5GHz and 2.4GHz Wi-Fi) maintains a stable connection up to 50 meters and extends the operational time for the relay unit beyond 10 hours.

Included Components:

- Geneinno T1-PRO drone (ROV)
- Reel with 200m cable and winder
- Wireless transmitter
- Dive filters
- Controller
- Charger
- Ballast modules
- Hard case for transport
- User manual

GENEINNO specializes in manufacturing advanced underwater robotics and technology, providing reliable, high-performance solutions for professional inspection and exploration needs globally.

Order your T1-Pro today from ++SHOP++ and benefit from competitive pricing and reliable customer support, ensuring you are equipped for your next deep-sea mission.

Geneinno T1-Pro 200m 4K UHD underwater drone

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The Geneinno T1-Pro is a versatile underwater drone designed for professional and research tasks. With the ability to dive to depths of up to 175 meters and a rugged design, the device is ideal for hull inspection, wreck exploration, aquaculture monitoring or seabed exploration. The unique azimuthal control system ensures stability and precise maneuvering even in strong currents of up to 4 knots. Note: the grapple shown in some photos is not included.

High-quality 4K video and precise images

The drone is equipped with a 4K camera based on a 1/2.3" SONY CMOS sensor, which captures video in 4000 x 3000 pixels at 30 frames per second and photos in 12 MP quality. A wide-angle lens with a 160° field of view and EIS Anti-Shake technology ensure stable, clear shots, even in challenging underwater conditions. The T1-Pro supports JPEG, RAW and DNG formats for advanced post-mission photo editing.

Advanced sensors and application versatility

The Geneinno T1-Pro is equipped with IMU sensors with a 6-axis gyroscope, accelerometer and 3-axis compass for precise control in 6 degrees of freedom. The depth sensor operates with $\pm 0.05\text{m}$ accuracy, and the temperature sensor with $\pm 0.5^\circ\text{C}$ precision.

Long operating time and long-lasting battery

With a capacious 9000 mAh battery, the Geneinno T1-Pro offers up to 4 hours of continuous operation. The battery takes just 3 hours to fully charge.

Smart lighting and durable cable

The drone is equipped with two LED headlights with 1500 lumens each. The beam angle is 60° and the color temperature is 4500K, which ensures natural color reproduction underwater. The 4.5mm diameter cable, which can withstand up to 100kg, allows safe exploration of up to 200 meters.

Intuitive operation and live transmission

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The Geneinno T1-Pro can be controlled with a dedicated 2.4 GHz controller, which allows real-time viewing on a smartphone or tablet in full HD 1080p quality. With the Geneinno App, users can track the drone's exact route and receive notifications on its status. Built-in 5GHz and 2.4GHz Wi-Fi provides a stable connection at distances of up to 50 meters, and the wireless relay allows for operation for more than 10 hours.

Included

- Geneinno T1-PRO drone
- Reel with cable and winder
- Wireless transmitter
- Dive filters
- User manual
- Controller
- Charger
- Ballast modules
- Hard case
- User manual

General

Manufacturer Geneinno

Model T1-Pro-200M

Unit

Weight 5kg

Dimensions 380 * 348 * 168 mm

Maximum depth 175m

Operating temperature range -10°C ~ 50°C

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Maximum cruising speed	2 m/s
Maximum ascent/descent speed	1.5 m/s
Flow resistance	4kn 2m/s
Battery capacity	9000mAh/97.2Wh
Maximum dive time	4 hours
Charging time	3 hours
Maximum angle of inclination	+60°
Expansion interface	Yes
Degrees of freedom	Forward/backward, ascent/descent, left/right turn, roll, tilt - 5 DOF

Camera

CMOS	6.17 mm x 4.55 mm SONY CMOS
IRIS	F2.5
FOV (FIELD OF VIEW)	160°
Shutter opening time	1/30S
Image size	4000*3000 12M
Photo format	JPEG/RAW/DNG
Video resolution	4K: 4000*3000 30fps
FHD	1920*1080 60fps
Live broadcast resolution	480/720/1080P
Maximum video transmission speed	2 Mbps (live) 12 Mbps (video)
Video format	MP4 (MPEG-4 H264/H265)
Memory	128G
Recording time	4~8 hours
Anti-shake lens protection	EIS Anti-Shake

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Light

Lumens 2*1500 LM

Light beam angle 60°

Temperature 4500K

Cable

Cable diameter 4.5 mm

Working strength of the cable 220 lbs

Cable length Standard 200 m

Application

Live transmission Yes

Operating systems IOS 9.0 +/- Android 5.0

Sensor

IMU 6-axis gyroscope and accelerometer + 3-axis compass

Depth sensor Precision +/- 0.05m

Temperature sensor precision +/- 0.5°C

Tilt/tilt sensor precision +/- 1°

Precision of yaw sensor +/- 1.5°

Wireless relay

Weight 0.45kg

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Dimensions 109 x 99 x 53 mm

Battery capacity 3200mAh/34.56Wh

Maximum operating time >10 h

Water resistance IP57

WIFI frequency 5GHz+2.4GHz

Maximum WIFI distance 50m

Charging time 3 h

GPSR Link: https://psr-assets.innpro.pl/drones/sg_drones_underwater_drones.pdf, Box width: 28,00,

Box height: 74,00, Gross weight: 16500, Net weight: 5000, Box length: 50,00

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