

Aibot X6

A new generation of flying robots



The Aibot X6 Unmanned Aerial Vehicle (UAV) represents a new generation of flying robots, supporting industrial inspection and aerial mapping applications. With its protected and award-winning design, the latest multi-rotor technology and a high degree of robotics, it is easy to fly or can execute a mission autonomously. Combined with a variety of plug and play sensors, the Aibot X6 goes where you cannot go and sees where you cannot see.



Industrial inspection

Inspect high voltage power lines, program flight paths for safety monitoring or detect hot spots of solar power plants. The Aibot X6 offers you enormous saving potential, higher safety and a better environmental balance.



Mapping

The Aibot X6 is an indispensable assistant in many mapping-tasks. Thanks to state-of-the-art UAV technology and post-processing, ortho photos, terrain models or 3D buildings can be generated in no time – even without prior flying skills.



Aerial imaging

Whether your field is reconnaissance or emergency response, thanks to a unique camera mount the Aibot X6 gets you exactly the perspective and image quality that you need.

Aibot X6 – Technical details

Length/width	105 cm
Height	45 cm
Housing	CFK (carbon), protected rotor blades
Weight	3,400 g
Flight weight (excluding batteries)	ca. 4,600 g – 6,600 g (dependent on payload and batteries)
Max. payload	2,000 g (3,000 g possible via future Aibot X6 heavy payload version)
Max. speed	40 km/h
Climb rate	8 m/sec
Flight height	Up to 1,000 m over ground under ideal conditions* Max. 3,000 m ASL
Flight time	Up to 30 minutes, depending on payload and additional equipment
Operating temperature	- 20°C to +40°C
Sensors	GPS receiver Smart-sensor fusion: i. a. gyroscope, accelerometer, barometer, magnetometers, ultrasonic sensors
Mount	User controllable; can be mounted top and bottom
Payload	Variety of standard cameras, multispectral sensors and others; plug and play
Controlling	Remote control, tablet-PC (optional), automatic way point flight
Power source	Lithium-polymer 5,000 – 10,000 mA

* Depending on operating mode, weather and payload



A specially developed ultra lightweight housing made of CFRP gives the multi-copter Aibot X6 excellent flight characteristics and stability, minimises the risk of injury and protects the rotors from damage.

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