axldrone
your world from above

Drone Autonomy, Engineered for Next-Gen Performance.



axl **Peregrine**

Sturdy, long-lasting Carbon Fiber Quadcopter Airframe, crafted with precision and passion, offers an exhilarating journey into the realm of aerial innovation.

Key Features

Carbon Fiber, ABS & Aluminum Built: The frame is made from durable and lightweight Carbon Fiber with aircraft grade Aluminum joints ensuring agile and stable flight performance.

Compact Design: This drone ensures versatility and ease of maneuverability.

Easy to Handle: Foldable arms make it easy to carry and handle.



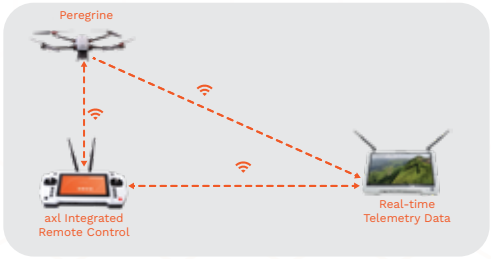
Lightweight construction for rapid deployment

Compact & Portable,Easy to carry & store



Powerful Software

- Connect multiple drones into a Networked Drone formation and create a peer to peer or mesh network.
- Connect to one or more powerful Remote controllers with full video streaming and play back capability
- Connect to a laptop or stream video and data over the internet with axldone's powerful software solutions



www.axldrone.com

Specification

Aircraft

Propeller	:	15” Foldable
Weight (Battery & Propellers Included)	:	3310 g
Max Ascent & Descent Speed	:	5 m/s (Controlled by axl flight Control firmware)
Max Speed	:	25 m/s (Controlled by axl flight Control firmware)
Max Operating Altitude	:	13123 feet (4000 m)
Max Flight Time	:	Up to 45 minutes (At test conditons consistent 15.5 mph (25 kph)
Max Wind Resistance	:	10 m/s
Max Hovering Time	:	50 minutes (In normal flight, 15% remaining battery level)
Max Total Travel Distance (One Full Battery)	:	38 km at test conditions
Operating Temperature Range	:	32° to 104° F (0° to 40° C) (Extendable)
Satellite Positioning Systems	:	GPS / GLONASS

Camera

Resolution	:	4K 30fps
Zoom	:	6x Digital
Gimbal control	:	3 axis
Photo	:	JPEG, DNG
Video	:	MP4, MOV (MPEG-4 AVC/H.264)
Recording	:	Yes
Supported SD Cards	:	MicroSD Class10 card upto 128GB
IP	:	IP4x
Stabilization	:	3-axis (pitch, roll, yaw)

Flight Battery

Capacity	:	12,000 mAh
Voltage	:	22.2 V (6S)
Weight	:	1440g
Battery Type	:	LiPo

Remote Controller

Operating Frequency	:	2.4 GHz
Storage	:	8Gb - Extendable
Transmision distance	:	~ 15 km
Image Resolution	:	720p@ 30fps, 1080p@30/60fps
Recovery	:	1s
Screen size	:	7 inch

About axldrone

axldrone is a leader in innovative drone solutions, offering purpose-built drones, powerful components, and ground control software. With over a decade of R&D and global project execution experience, we provide end-to-end drone solutions for professional and industrial uses.



axlviman

The axlviman (mobile application) interfaces with the platform, allowing operators to monitor and control the drone and tethering station from a smartphone or tablet. This ensures mobility and flexibility for any field operations.

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