axldrone
your world from above

axl Peregrine

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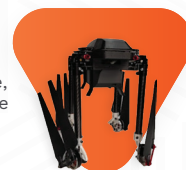
Features

- 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.

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

Lightweight construction for rapid deployment

Compact & Portable, Easy to carry & store

Peregrine

axl Integrated Remote Control
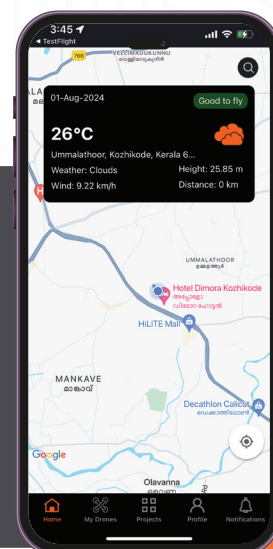
Real-time Telemetry Data

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

viman

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.

✈ Aircraft

Propeller	:	15"Foldable
Weight (Battery & Propellers Included)	:	5.07 lbs (2300 g)
Max Ascent & Descent Speed	:	5 m/s (Controlled by axl flight Control firmware)
Max Speed	:	15 m/s (Controlled by axl flight Control firmware)
Max Operating Altitude	:	13123 feet (4000 m) Extendable with upgrade kit
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

🔋 Flight Battery

Capacity	:	6200 mAh
Voltage	:	22.2 V
Weight	:	830g
Battery Type	:	LiPo 6s 6200mAh

📹 Camera

Resolution	:	4k 30fps
Lens	:	6x optical zoom
Gimbal control	:	3 axis
Control inputs	:	SBUS, PPM, UART and UDP
Power	:	12V
Weight	:	110g
Photo	:	JPEG, DNG
Video	:	MP4, MOV (MPEG-4 AVC/H.264)
Supported SD Cards	:	MicroSD Class10 card upto 128GB
IP	:	IP4x
Stabilization	:	3-axis (pitch, roll, yaw)

🎮 Remote Controller

Operating Frequency	:	2.4 GHz to 2.483 GHz
Storage	:	8Gb - Extendable
Transmision distance	:	15 km
Image Resolution	:	720p@30fps, 1080p@30/60fps
Recovery	:	1s
Screen size	:	7 inch

▲ Who are we?

axldrone is a leader in industrial drone solutions with purpose built drones, powerfill avionics and ground control software. With more than a decade of R&D and project execution experience worldwide, **axldrone** provide end to end drone solutions for professional and industrial segments.

Contact Us

#startupindia