



## 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

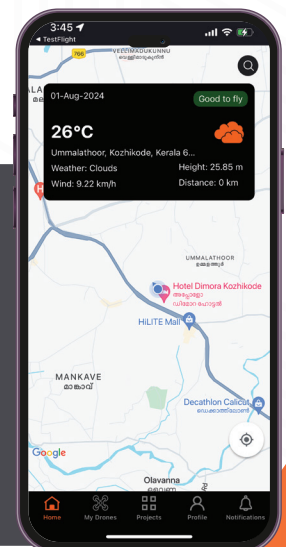


### Powerful Software

- 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 axldrone'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

## Contact Us

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## 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
Transmission 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, powerfull 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.

