# RANGEPRO X8 SPECS

## KEY FEATURES

- 70+ minute flight time (payload dependent)
- 3:1 lift to weight ratio
- 30 mile range (point to point)
- Foldable airframe with folding props and quick release landers for quick set up and storage
- Aerospace-grade carbon fiber construction
- Motor failure protection
- Power redundancy protection
- Slide and click battery insertion/removal

- Super bright front and rear LED strobes, FAA certified for 3 miles
- Familiar, easy-to-use tablet or smartphone user interface
- POI/Home lock/Course lock/IOC control
- Fully autonomous mission planning and waypoints/automatic flight logging
- Smart return to home feature and failsafes
- Native support for Zenmuse plug and play payloads
- 4k Video/High Resolution Stills/Thermal Imaging/NDVI (Custom Config.)
- Full HD Digital downlink

## DETAILED SPECS

- Unfolded dimensions: 780mm diagonal wheelbase (w/out propellers) x 310 mm (h)
- Folded dimensions: 460mm (l) x 265mm (w) x 150 mm (h) (w/o propellers)
- Airframe weight with battery: 4400 grams
- Max recommended takeoff weight: 5400 grams (1 kg payload)
- Max service relative altitude: 5000 meters ASL
- Wind resistance: 35 mph (~16 m/s)
- Hovering accuracy (P-mode): Vertical: +/- 0.5 meters, Horizontal: +/- 1.5 meters
- Top speed (S Mode): 42.5 mph (~19 m/s)
- Top speed (P Mode): 31 mph (~14 m/s)
- Max pitch angle: 45 degrees (S Mode) / 25 degrees (P- Mode)
- Max recommended pitch angle: 35 degrees
- Max yaw rate: 150 degrees per second
- Max ascent speed: 5 m/s
- Max descent speed: 3 m/s

- Propulsion system: T-motor
- Battery: RP6S24KHDA Lithium Polymer 6S4P (22.2 volt) 24,000 mAh/ 532.8Wh
- Battery charger: 400 watt dual channel
- Charge time: 2-2.5 hours, depending on level of discharge
- Flight controller: A3 or Pixhawk
- Ground control and image transmissions: Lightbridge 2
- Transmission distance: 3.1 miles (unobstructed, free of interference)
- Video link resolution: up to HD 1080p
- Video link operating frequency: 5.8 Ghz WiFi
- On Screen display of in-flight telemetry
- Supported operating systems: iOS, Andriod
- Zenmuse gimbal/ payloads: X3, X5/X5R, Z3, XT, XT2
- Other open source compatible gimbal and payload options available upon request

## APPLICATION COMPATIBILITY

- Go App
- Ground Station Pro
- Datalink Pro

- A3 Pro
- D-RTK GNSS
- Altizure

- SDK Support

## ADDITIONAL FEATURES

- Designed, engineered, assembled and supported in the USA
- Rated for IP43 environments

- Customized Pelican Storm case included (31.3" x 20.4" x 12.2")
- 1-Year Manufacturer Warranty

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