



# RANGEPRO X8P 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
- ✓ Smart return to home feature and failsafes
- ✓ Designed for integration of custom payloads

## 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: Pixhawk 2.1
- ✓ Ground control and image transmissions: Terraview / Herelink
- ✓ Transmission distance: 3.1 miles (unobstructed, free of interference)
- ✓ Video link resolution: up to HD 1080p
- ✓ Video link operating frequency: 2.4 Ghz WiFi
- ✓ On screen display of in-flight telemetry
- ✓ Supported operating systems: iOS, Android

## APPLICATION COMPATIBILITY

- ✓ D-RTK GNSS
- ✓ Mission Planner
- ✓ QGroundControl

## 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