Chakra Droneyards 3.5-Inch Cinewhoop Drone

Built for agility, stability & cinematic precision

Technical Specifications

Frame

- Type: 3.5-Inch Cinewhoop Whoop-Style Frame
- Material: Lightweight reinforced plastic with foam ducts
- Mounting: Integrated for FPV camera and GPS
- Vibration dampening: Yes

Flight Controller & ESC

- Board: All-In-One (AIO) FC + 4-in-1 ESC
- ESC Rating: 35A continuous
- Firmware: Betaflight / INAV configurable

Motors

- Type: Brushless
- KV Rating: 1800–2000KV
- Configuration: 4 motors (X-style mount)
- Propeller Size: 3.5-inch tri-blade

Battery

- Type: Lithium-Ion
- Capacity: 4500 mAh
- Cell Count: 4S
- Discharge Rating: N/A (Li-Ion)

- Estimated Flight Time: 15–20 minutes (with 4S 4500mAh Li-Ion)

- Battery Compatibility: XT60

Camera & VTX

- Camera Type: Analog FPV

- Lens: Wide-angle, low latency

- VTX: Analog 5.8 GHz

- Video Range: Up to 2 km

- Channels: 40+ channels, SmartAudio support

Radio Control

- Protocol: ELRS (ExpressLRS 2.4 GHz)

- Range: Up to 2 km telemetry

- Included Controller: Radiomaster Pocket ELRS (Full Kit Only)

Video Goggles

- Model: Live EV800 / iFlight or similar spec

- Display: Built-in 5-inch screen

- Receiver: Dual-diversity 5.8 GHz

- DVR: Optional (depending on model)

GPS

- Module: M10 GPS

- Features:

  - Position Hold

  - Altitude Hold

  - Return-to-Home (RTH)

  - GPS Rescue

