PLATFORM DATASHEET · CHAKRA · ELECTRIC

# Chakra helicopter UAV, electric series

STATUS · AVAILABLE

Biggen AEROSPACE
biggentech.online

A fully autonomous electric single-rotor helicopter with 45 minutes of endurance, flown on the ICMR i-Drone vaccine deliveries in Manipur and Nagaland.



Silver single-rotor helicopter UAV with a stabilised camera gimbal and payload box on its landing gear

## MISSION ROLES

- Medical and emergency supply delivery
- Aerial sensing with a stabilised camera gimbal
- Surveillance and survey sorties where quiet electric flight matters
- Payload trials for laboratories and institutions

## PAYLOAD OPTIONS

**Medical supply container** [AVAILABLE]
Insulated box for vaccines and medicines, as flown for ICMR; one sortie carried 700 vaccine doses over 34 km

**Stabilised EO gimbal** [AVAILABLE]
Three-axis camera gimbal under the fuselage

**Sensor plate** [AVAILABLE]
Open payload plate for client instruments

## SPECIFICATION

| | |
|---|---|
| **VERSION 1.0** | |
| Payload | 4 kg |
| Endurance | up to 45 min |
| Cruise speed | 60 km/h |
| **VERSION 2.0** | |
| Payload | 6 kg |
| Endurance | up to 45 min |
| Cruise speed | 60 km/h |
| **AUTONOMY AND CONTROL** | |
| Flight modes | Fully autonomous waypoint navigation; auto take-off and auto landing |
| Emergency recovery | Auto return-to-home on link loss, low battery or high wind |
| Propulsion | Electric |


A unit of Biggen Technologies Private Limited · GSTIN 29AAMCB4650Q1ZW · info@biggentech.online · biggentech.online/contact