



# PRECISION DRONES

Model No: CP-A6

**Challenger Aerospace Systems**  
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## CP-A6 Specifications

Dimensions	2280 mm x 2070 mm x 620 mm
Engines	6 Electrical Brushless (sensorless) Motors
Rotors	Q8L KV130
Number of Rotors	6
Propeller	28 inches
Weight	18 Kg
Material	Carbon Fiber
Temperature	-10°C to 50°C
Humidity	90% r.H.
Max. Takeoff Weight	18 Kg
Standard Payload	3 Kg
Max. Altitude AMSL	4500 m
<b>Speed</b>	
Cruising Speed	0 - 9 m/s
Rate of Climb	0 - 2 m/s
Wind Resistance	9 m/s
<b>Endurance</b>	
Max. Radius	5 Km
Endurance W/O Payload	75 min
5 Kg Payload (16000mAh)	22 min
6 Kg Payload (16000mAh)	19 min
2 Kg Payload (22000mAh)	43 min
5 Kg Payload (22000mAh)	28 min
5 Kg Payload (32000mAh)	33 min
<div> <div>Flight Controller</div> <div>DJI A2 / 3DR Pixhawk</div> </div> <div> <div>Certification</div> <div>CE FC</div> </div>	



## CP-A6 Specifications

### Advantage & Benefits

#### Benefits

- Up to 75 minutes flying time
- Up to 7 Kg Payload
- Rain-resistant, dust-resistant, fire-resistant
- Extremely resistant to Cold & Heat
- Can fly in plateau area
- Self-Design Flat core Brushless Electric Motors
- CFD optimised light propeller
- Closed carbon housing with good signal
- Easy to control with one-key back system
- Can fly in plateau area

#### Advantages

- A direct involvement of colleagues in emergencies
- Easy to delivery and installation
- NO takeoff place limitation
- Less time needed to train pilots
- Low maintenance costs and service cost
- Lower costs compared to helicopters or fixed wing drones
- Low noise electric motor useful for police surveillance

### Application & Possible Uses

#### Application

- Firefighting
- Anti-terrorist operation
- Aerial Mapping
- Power & Utilities
- Monitoring in climate change and environment
- Tracking & monitoring

#### Possible Uses

- Monitoring disasters
- Fighting poaching
- Emergency transportation
- Police surveillance and emergency rescue
- Long-distance inspection etc.

### Target Group

#### Government Agency

- Police / Security
- Fire station
- Authorities and council
- Energy / Energy suppliers

#### Research & Development

- Research Institutes
- Universities

#### Users

- Fire service and fire fighters
- Police and Security personnel
- Sports events
- Film and Video producers
- Television stations
- Archaeologists

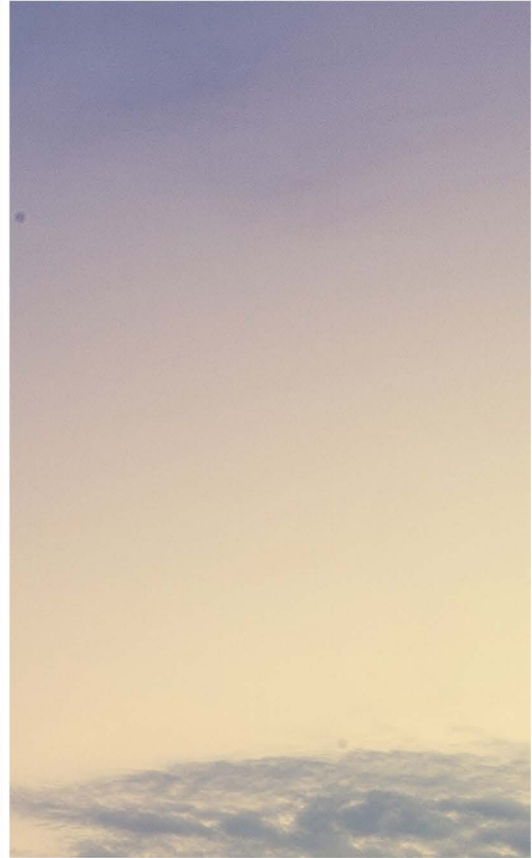
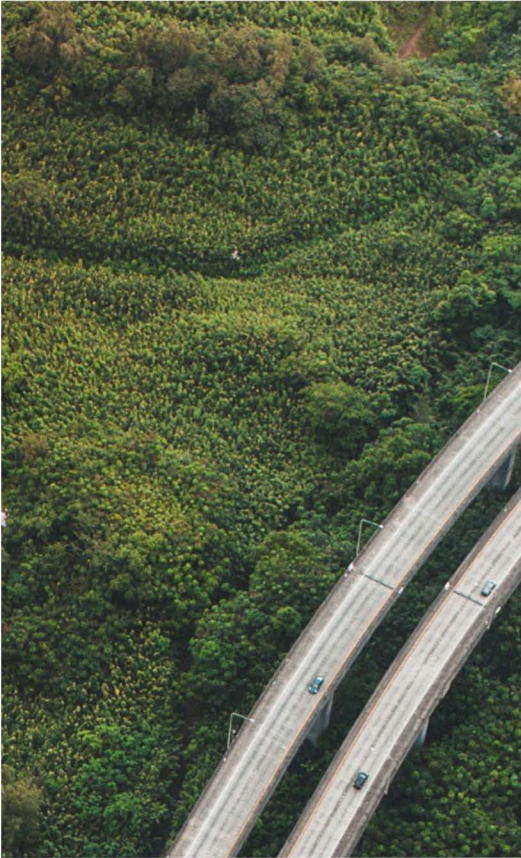
#### Private Companies

- TV / Film Production
- Engineering
- Electric suppliers
- Agricultural users
- Geographic Information Systems (GIS) / Photogrammetry

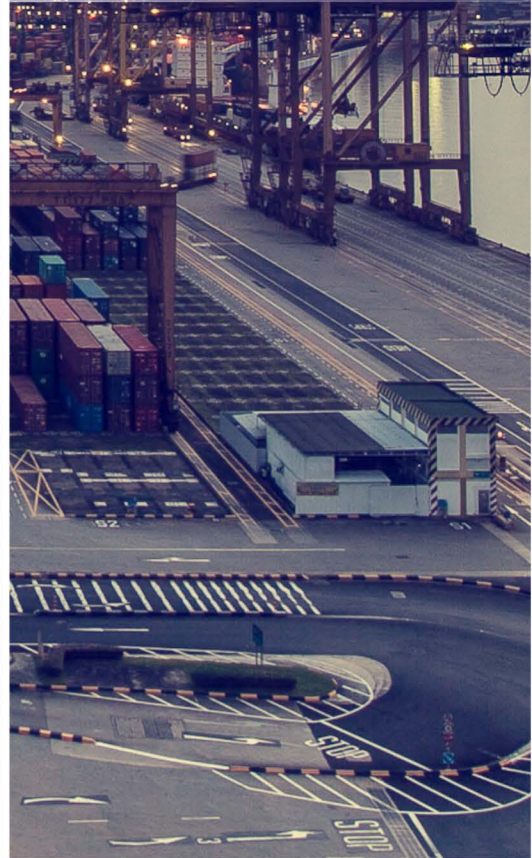
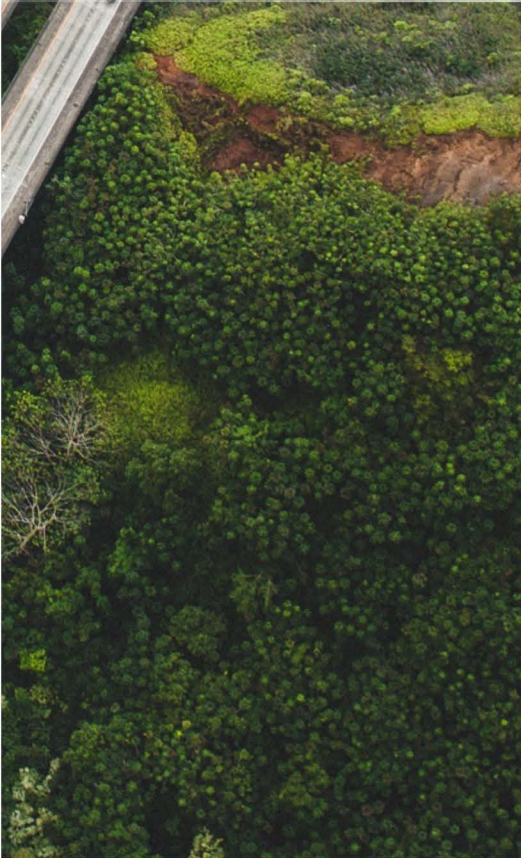
- Surveyors
- Architects
- Real estate agents
- Photographers
- Journalists
- Engineers

- Farmers
- Contractors
- Environmentalists
- Meteorologists
- Environmental researchers





A Challenger Aerospace Systems Company



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