



Monitoring Forest Health

Measurement & Tracking of Soil Moisture Index

Water Level Monitoring

Wildlife Corridor Mapping

FOREST

MONITORING & QUICK ASSESSMENT

VERSION

CYBERONE

SURVEILLANCE, MAPPING & DELIVERY DRONE



CLICK-N-LOCK PAYLOADS



SWAPPABLE BATTERIES



2 MIN QUICK DEPLOYMENT TIME



NEAR SILENT ACOUSTICS



OPERATIONAL FOR 6 HOURS



MOBILE TOUCH SCREEN GCS



TETHERED SYSTEM



CHARGING STATION

01 TRACKING & MONITORING

Monitoring the activities, movements, and migration of animals to ensure their safety against poaching or natural harm.

02 GIS MAPPING / HYDROLOGY SURVEY

2D/3D Mapping of forest areas to monitor afforestation & deforestation activities, and survey forest hydrology in order to ensure the right ecological balance for forest life.

03 FOREST FIRE

Quick detection of fire is crucial to prevent major loss of biodiversity. Rapid response measures involve dropping fire extinguishing agents from the sky.

04 FOREST HEALTH MANAGEMENT

Tracking forest vegetation and soil health to identifying & preventing diseases caused by pathogens and environmental factors using UAV-based sensors.

05 SEARCH & RESCUE

Search and Rescue operations for expedition / camping groups and animals in danger.

06 PACKAGE DROPPING

Dropping of essentials as or when needed such as food for animals in need or supplies for patrolling parties during rescue operations.

07 ALARMING & ANNOUNCEMENT

An Announcement system is implemented to establish communication with inaccessible areas during emergencies or to deter poachers and predators.

08 LIGHTING SYSTEM

Bright high-intensity lights are installed on UAVs to assist search & rescue teams during emergency response operations conducted at night.

09 ILLEGAL ACTION PREVENTION

Forest surveillance operations to identify, track and take immediate action against any illegal activities in the forest, such as poaching and logging.

10 FOREST SEEDING

Airborne seeding for dispersing seed balls from the air to the targeted plantation areas to the inaccessible areas to uprise afforestation activities.



PAYLOADS INTEGRATION



EO+IR Dual Optical Sensor



Cinemap



Multispectral Camera



Payload Dropping Mechanism



Too Bright
(High-Power Flash Light)



Too Loud
(Megaphone)

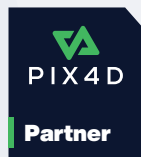
SPECIFICATIONS

| | |
|---|---------------------------------|
| Overall Length | 600 mm |
| UAV Type | Quadcopter |
| Weight (Including Battery) | 2.6 kg |
| Max Payload Capacity | 1.5 kg |
| Ideal Flight Time | 60 minutes* |
| <small>(Varies with different payloads and flight conditions)</small> | |
| Wind Resistance | 72 km/h (20m/s) |
| Max Speed | 45 km/h (12.5m/s) |
| Telemetry Range | 15 km |
| <small>(Instrumental Range)</small> | |
| Port types on Controller | HDMI, C-Type x2, USB Ports x2 |
| Propeller Type | Foldable |
| GPS | PPK/RTK Enabled (Compatible) |

| | |
|--|--|
| I.O. Function | H7 Based Onboard Computer Embedding Capability, ETH Data Switch Hub, Exterior UART Interface |
| Max Launch Altitude (AGL) | >=5500m (18000 feet appx.) |
| Max Operation Altitude | 21000 ft. |
| <small>(From above ground level)</small> | |
| Max Ceiling Altitude(MSL) | 5km (5000m from MSL) |
| Battery Type | Solid State Slide & Lock Battery |
| Protection Class | IP 53 |
| Operating Temperature Limits | -10°C 55°C |
| BVLOS Control Compatibility | Yes (Optional) |
| Swarm Capability | Yes (Optional) |



QUICK DEPLOYMENT TIME
EMBEDDED WITH IP67 PROTECTION



Smart Portable controller with integrated Display

OS Android 10
Max Transmitting Distance 15 km
Battery Life 4.5 hour
OFDM 2.4 and 5.8 Ghz (Switchable)
Display 7 Inches Touchscreen, 1000 NIT



SCAN TO VISIT OUR WEBSITE

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DREAM | BELIEVE | ACHIEVE