# Fixed-Wing

## MILVUS T240
| Compact-size VTOL Fixed-Wing Drone



- **APPLICATION** – Aerial Surveying, Reconnaissance, High-Resolution Picture/Video, Payload Drop
- **PAYLOAD** – EO/IR(Dual), Long-Range Datalink, Surveying Sensor

| Flight Time | 90min (NO Payload) | Cruise Speed | 20m/s |
|---|---|---|---|
| | | Maximum Speed | 28m/s |
| MTOW | Under 8.6kg | Aircraft Size | 2432×1581×403mm |
| Max Payload | 500g± | Range | 3km |
| Weight | 8.1kg (Without Payload) | IP | IP43 |

## MILVUS T400
| Long-endurance VTOL Fixed-Wing Drone



- **APPLICATION** – Takeoff/Landing on Moving Vessels, Aerial Surveying, Reconnaissance, Payload Drop
- **PAYLOAD** – EO/IR(Dual), Long-Range Datalink, Winglet Surveying Sensor, Floating Device

| Flight Time | 180min | Cruise Speed | 21m/s |
|---|---|---|---|
| | | Maximum Speed | 28m/s |
| MTOW | Under 30kg | Aircraft Size | 4000×1900×845mm |
| Max Payload | 1.5kg± | Range | > 50km (Optional) |
| Weight | 28.5kg (Without Payload) | IP | IP43 |

# Small Helicopter

## RUEPEL EF
| All-in-One Drone for Specialized Equipment



- **APPLICATION** – Search and Rescue in Strong Wind Offshore Areas, Monitoring of Illegal Fishing Vessels
- **PAYLOAD** – EO/IR Camera, LRF, Nighttime Anti-Collision LED, Floating Device

| Flight Time | 60min | Cruise Speed | 22m/s |
|---|---|---|---|
| MTOW | 24kg(Battery 10kg) | Aircraft Size | 1879×590X706mm |
| Max Payload | 5.5kg | Range | 20km (Varies by Datalink) |
| IP | IP43 | Height | 500m |

## RUEPEL EM
| Modular Small Drone with Easy Disassembly and High Portability



- **APPLICATION** –Maritime and Mountainous Recon & Surveillance, Military Recon & Training, Surveying with Specialized Mission Equipment
- **PAYLOAD** – EO/IR(Dual),  High-Res EO, LRF and etc.

| Flight Time | 60min | Cruise Speed | 10m/s |
|---|---|---|---|
| MTOW | Under 25kg | Aircraft Size | 2172×661×461mm |
| Max Payload | 4.5kg | Range | 8km |
| IP | IP43 | Height | 600m |

# PRENEU

## Korea's Only One-Stop UAV Solution Provider

PRENEU offers a one-stop solution for unmanned aerial vehicles (UAVs), covering everything from planning and design to H/W manufacturing, S/W development, and integrated IT platform services.

# Multicopter

## PANDION H1300
Outstanding-Versatile Drone Based on Specialized Mission Equipment

**APPLICATION** – Reconnaissance, Surveillance, Base Perimeter Security(24H)
High-Res Photo/Video Capture, Delivery(Under 3kg)

**PAYLOAD** - EO or EO/IR Camera, Lidar, Delivery box, Parachute, Floating Device

| Flight Time | 59min(No payload) | Flying Speed | 5m/s ~ 10m/s(recommend) / 18m/s(max) |
|---|---|---|---|
| MTOW | 25kg | Aircraft Size | 1350×1350×600(unfold) / 750×750×650(fold) |
| Max Payload | 7kg | Range | 3km |
| Weight | 10kg(Without Battery) | Max ceiling (ASL alt) | 150m(300m) |

## PANDION Q650
Multipurpose Drone for Specialized Missions

**Mission Equipment Module / Detachable Battery**

**APPLICATION** – Day/Night Reconnaissance, Warning Sign Delivery,
Automatic Patrol Mission, High-Res Photo/Video, Package
Delivery(Under 1Kg)

**PAYLOAD** - EO Camera, EO/IR Camera, Speaker

| Flight Time | 40min ± 5min(NO Payload) | Flying Speed | 5m/s~7m/s(recommend) / 10m/s(max) |
|---|---|---|---|
| MTOW | 7kg ± 50g | Aircraft Size | 515×515×300mm |
| Max Payload | 1.3kg ± 15g | Range | 3km |
| Weight | 2.6kg ± 20g(Without Battery) | Max ceiling (ASL alt) | 1,500m |

## PANDION Q450
Components-Integrated Modular Drone

**Components-Integrated Module System(D-ARK) / Detachable Battery**

**APPLICATION** – Recon/Surveillance (24H Patrol for Military/Civil Sector),
Battlefield Monitoring(Real-time Monitoring) High-Res
Photo/Video

**PAYLOAD** - EO Camera, EO/IR Camera

| Flight Time | 25min ± 2min(NO Payload) | Flying Speed | 5m/s~7m/s(recommend) / 12m/s(max) |
|---|---|---|---|
| MTOW | 2kg ± 30g | Aircraft Size | 400×350×157mm |
| Max Payload | 0.2kg ± 30g | Range | 3km |
| Weight | 1.2kg ± 15g(Without Battery) | Max ceiling (ASL alt) | 1,500m |

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# DRONEiT Parts

## DRONEiT DL-V2 & KCMVP
Datalink & Encryption Device

- 2.4Ghz, 5Ghz (5.03~5.825Ghz)
- FHD Video transmission
  - Standard : 3Km
  - Optional : ≤5Km
- Drone-optimized Interface with additional expansion ports
- Integrated transmission of video data and flight information

## DRONEiT CC & FC
CC(Companion Computer)+FC(Flight Controller) Integrated Board

- Available Feature
  - Image Recognition
  - Obstacle Avoidance
  - Various AI Features
- Data Transmission through Mavlink protocol

## DRONEiT CC & DL
CC(Companion Computer)+DL(Data Link) Integrated Board

- RJ45 Ethernet (10/100/1000 Mbps)
- LTE Communication
- HDMI / USB Type Camera

## DRONEiT PM
Power Management Module

- Designed to withstand vibrations and shocks, ensuring continuous mission operation
- Voltage adjustment function for various mission quipment
- Provides up to 4V output per port

## DRONEiT FC
Flight Controller

- Single-board FC architecture
- STM32H7 series 32-bit Arm® processor (Operating clock: 480MHz)
- Provides up to 8 sensors

## DRONEiT GPS
GPS Module

- High-Performance and Reliability GPS Module
- UAV/CAN Communication
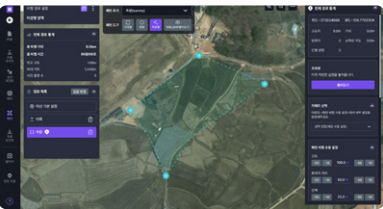- Built-in MPU9250 IMU Sensor
- Apply U-blox NEO-M9N module

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# UAV TOTAL PLATFORM SERVICE
# DRONEiT

Through the integration of IT,
PRENEU provides Platform-based Service to
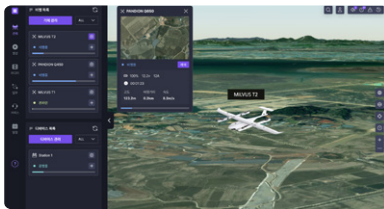Maximize the Utility of UAV

## D-UTM
**Smart Total Monitoring**
Multi-Drone Monitoring | Real-time Video Streaming | Auto Mission Flight | Flight Schedule Management
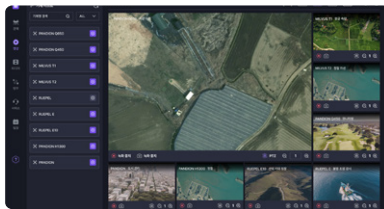


**Create Flight**
Easy and Convenient User Interface
Mission Preset Save/Load

**Control Multi-UAV**
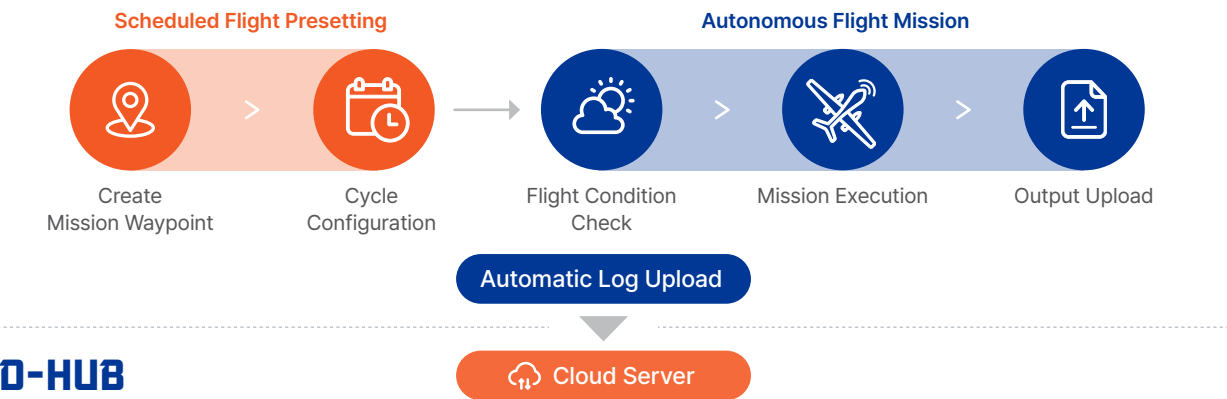Total UAV / Station Control
Mission Flight Progress Check

**Real-time Video**
Real-time Camera Control
Video Data Storage and Management

**Autonomous Flight Mission**
Easy and Precise Data Collection

**Scheduled Flight Presetting**
- Create Mission Waypoint
- Cycle Configuration

**Autonomous Flight Mission**
- Flight Condition Check
- Mission Execution
- Output Upload

Automatic Log Upload
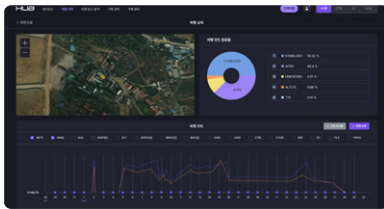
Cloud Server

## D-HUB
**Flight Log and UAV Total Management**
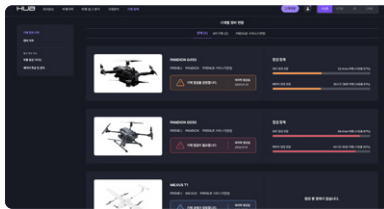Flight Log Analysis | Flight Statistics | Aircraft Maintenance Report | Aircraft History Management



**Flight Log Analysis**
Flight History/Aircraft Management

**Flight History**
Project/Aircraft Flight History Lookup

**Aircraft Total**
Aircraft History Lookup

## D-LINK
**Service Matching and Consulting**
Drone Analysis Service | Drone Trainer Matching | Drone Operation Consulting | Drone Rental

## D-Ai
**AI-Powered Video Analysis Services**
Aerial Surveying | Renewable Energy Management | Smart Agriculture | Air Pollution Analysis