



Korea's Only One-Stop UAV Solution Provider

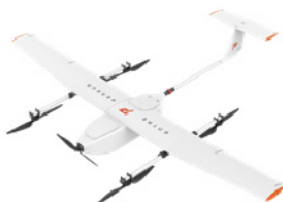
PRENEU offers a one-stop solution for unmanned aerial vehicles (UAVs), covering everything from planning and design to H/W manufacturing, S/W development, and integrated IT platform services.



## 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	8.6kg	Aircraft Size	2432x1581x403mm
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	4000x1900x845mm
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	1879x590X706mm
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	2172x661x461mm
Max Payload	4.5kg	Range	8km
IP	IP43	Height	600m

# 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 Camera, EO/IR Camera, Lidar, Delivery box, Parachute,  
Floating Device

Flight Time	30min ± 5min(NO Payload)	Flying Speed	5 ~ 7m/s(recommend), 12m/s(max)
MTOW	18kg ± 100g	Aircraft Size	1300x1219x670mm
Max Payload	5kg ± 100g	Range	3km
Weight	8.2kg ± 20g(Without Battery)	Max ceiling (ASL)	1,500m

## PANDION Q650



| Multipurpose Drone for Specialized Missions

**Mission Equipment Module / Detachable Battery System**

**APPLICATION** – Day/Night Reconnaissance, Warning Sign Delivery,  
Automatic Patrol Mission, High-Res Photo/Video, Delivery

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

Flight Time	40min ± 5min(NO Payload)	Flying Speed	5 ~ 7m/s(recommend), 10m/s(max)
MTOW	7kg ± 50g	Aircraft Size	515x515x300mm
Max Payload	1.3kg ± 15g	Range	3km
Weight	2.6kg ± 20g(Without Battery)	Max ceiling (ASL)	1,500m

## PANDION Q450



| Integrated Electronic Module Drone

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

**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 ± 25min(NO Payload)	Flying Speed	5 ~ 7m/s(recommend), 12m/s(max)
MTOW	2kg ± 30g	Aircraft Size	400x350x157mm
Max Payload	0.2kg ± 30g	Range	3km
Weight	1.2kg ± 15g(Without Battery)	Max ceiling (ASL)	1,500m



# DRONEiT Parts

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## 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

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## 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 equipment
- Provides up to 4V output per port

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## 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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