# APel-2000 High Altitude Positioning Module

## Preview

## Features

A high-altitude image positioning module, integrating visible light camera / infrared camera, and laser rangefinder. It outputs WGS84 coordinate positioning data in denied environments, effectively solving UAV flight positioning problems under GNSS interference.

The products are mainly used in high-altitude UAVs, cruise missiles and other equipment to achieve the normalization of high-altitude and large-scale flight missions in a denial environment.

## Performance Advantages

- All day & all weather support;
- Lightweight design;
- CNC one-piece molding aluminum shell.
- Strong Air-to-Ground vision adaptability (suitable for fields, mountainous areas, grasslands, and other scenarios).

## Tech Specs

| Type | Specs |
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| Operating Altitude | 300-2000m |
| Positioning Accuracy | Height *5 % (IR) / Height * 3% (visible light) |
| Positioning Frequency | 1 Hz |
| Laser Ranging | 2km |
| IO Interfaces | Ethernet, RS232 |
| Installation Size | Sensor Module: 60*60*60mm; Main Control Unit: 100*60*25mm |
| Installation Weight | Sensor Module: 200g; Main Control Unit: 110g |
| TDP | 15w |
| Operating Temperature | -40℃ to 55℃ |