

# Zenmuse H30 Series FAQ

## 1. Product Overview

**Upgrade:** The H30 series is upgrade version of the H20 series and include 2 models (H30/H30T)

**Replacement:** H30T will cover the full capability of the H20T/H20N

**Enhancement:** The H30T has been significantly enhanced in terms of daytime visible camera performance and nighttime night vision capability, infrared thermal performance

## 2. Application Scenarios

Public safety, firefighter, search and rescue, powerline inspection, oil and gas inspection, traffic law enforcement, asset inspection, agriculture and forestry fire prevention, wildlife protection, etc.

## 3. Core Selling Points

### 1) Better Visual Camera

Car License plate details can be seen from 700 meters away

Maximum zoom is 400x, doubling the zoom capability of the H20T

3km laser rangefinder and pinpoint, 2.5 times better than the H20 series

### 2) Better Night Vision

Support full-color, black-and-white night vision in dark environments.

Support NIR Auxiliary light (invisible to human eyes) to see the target clearly with an active illumination in a completely lightless environment

### **3) More Powerful Infrared**

Infrared imaging and temperature measurement capabilities are both dramatically improved

The higher thermal resolution of 1K (1280x1024) makes it easier and clearer to search the target in scenarios like patrol, SAR, etc.

The temperature measurement range is larger and more accurate, which benefits the powerline inspection, firefighter, SAR, etc.

### **4) Smarter Multi-scenario Operations**

Better image quality on hazy days, backlighting, and dark light;

Enhanced target observation, photo, and video recording capabilities, improving the inspection efficiency of security, powerline, etc.

## **Frequently Asked Questions**

### **1) How many versions of the Zenmuse H30 series?**

There are two versions of the H30 series: H30 and H30T, the "T" version has an additional thermal camera

H30 (4 sensors: wide, zoom, laser rangefinder, near-infrared auxiliary light)

H30T (5 sensors: wide, zoom, laser rangefinder, thermal, near-infrared auxiliary light)

### **2) Why no H30N?**

H30T is powerful enough to offer both day and night vision capabilities.

### **3) What is the IR Density Filter lens?**

The IR Density Filter lens is a mountable accessory for the H30T's IR

camera. Once installed, the temperature measurement range of the thermal imaging will be increased, from 0°C to 1600°C, which can be more effective in determining the temperature change and quickly locating the high-temperature point in firefighting scenarios

#### **4) What are the differences between the Zenmuse H30 Series and the H20 Series?**

##### **1. Visible light capabilities enhanced:**

Supports up to 34x optical zoom and 400x digital zoom

##### **2. Thermal camera capability enhanced:**

4 times higher resolution H30T(1280 × 1024) Vs H20T(640×512)

Supports Ultra HD mode for better target searching

The temperature range has been increased 3 times (-20°C to 1600°C).

##### **3. Night vision improved:**

Supports the industry's leading night vision capabilities with full-color night vision, black and white night vision, and the near-infrared auxiliary light function for lightless environments

##### **4. The laser rangefinder was increased to 3000 meters**

##### **5. Support smart capture, which automatically judges the environment brightness and outputs the optimal photo through the algorithm**

##### **6. Supports the electronic dehazing function, which can work well in haze and high humidity environment**

##### **7. Supports video foreground stabilization to enhance the efficiency of**

powerline inspection and other operations

**5) Which drone platforms are suitable for the Zenmuse H30 series?**

**Which gimbal is available for the Zenmuse H30 series?**

Compatible with Matrice 350 RTK, and Matrice 300 RTK

Only Compatible with DJI RC Plus for Remote controller

Any gimbal of M300 and M350 is available for the H30 series

**6) Does Zenmuse H30 Series support mapping scenarios?**

The H30 series is not suitable for professional-level mapping but can be used for non-high accuracy mapping scenarios, with a horizontal accuracy of  $\leq 10$  cm

Flight parameters to achieve this accuracy: RTK status is normal, flight altitude is 80 meters, flight speed is 10 m/s, gimbal pitch is  $-90^\circ$ , post-processed with DJI Terra, with a horizontal accuracy of 10cm

**7) How does the Zenmuse H30 series compare to competitors?**

**1. Highly integrated, Multi-functional**

The H30T integrates 5 sensors, and the capabilities brought by each module are at the leading of the industry. Other manufacturers can not achieve such a variety of capabilities with one unit, some manufacturers have good night vision cameras, but the visible camera is weak, and no laser rangefinder and pinpoint function. Some manufacturers have high-resolution infrared cameras, but the equipment is too heavy, low integration, no visible camera or night

vision mode

## **2. Completed Product Solutions**

The highly integrated design allows the M350 with H30T to maximize its potential of operation flight time, efficiency, and intelligent features.

Together with the FH2 platform, the H30 series supports cloud information sharing, video live streaming, and air-ground cooperation

## **3. High Cost Effective**

There are no competitors at the same level of price. The price of 3<sup>rd</sup> party manufacturers, with the same quality features, will be 3-5 times of the H30 series.