

LiDAR-Based Spatial 3D Scanner

# *Hawk*



TURNING VIEWS INTO DATA, REALITY INTO VIRTUALITY.

[store.3dmakerpro.com](https://store.3dmakerpro.com)

## **LIDAR UPGRADE**

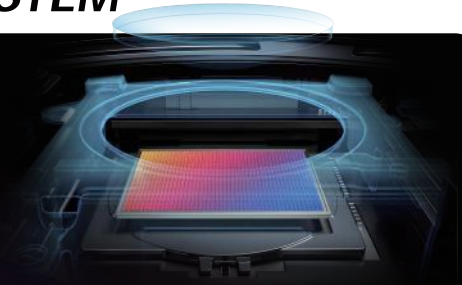


- Improved comprehensive accuracy to 15mm
- Scan angle increased to 63.5 °
- Resolution improvement, 480,000 points per second  
Multiple echo technique

## **UPGRADING THE IMAGING SYSTEM**

# 13MP

- One-inch sensor camera
- NIR visual tracking system



## **AMOLED**



# 3.9<sub>inch</sub>

- 3.9 "high-quality AMOLED screen

## **NEW INDUSTRIAL DESIGN**

- The whole machine has a reverse water design and meets the IP65 standard
- All metal casing for better heat dissipation performance



## **8-CORE 2.4GHZ**



**8** core

- 8-core 2.4GHz

## **BATTERY GRIP**

**12000** mah

- 65W fast charging takes 30 minutes to complete 0% ->80%
- Comprehensive endurance of 1 hour










## Performance Parameters:

# Hawk

Accuracy	1.5cm 10 meters, 3cm 20 meters, 5cm 40 meters
Scan radius	40 -70 meters(>10% reflectivity or >80% reflectivity)
Scan range	80-140 meters
Scan angle	Horizontal 360°, Vertical 63.5°
Point cloud frequency	480,000 points/second
Laser light source	905 nm
Eye safety level	Class 1 (IEC60825-1:2014) Eye safety
Color texture	13MP 1-inch sensor camera*2 Single camera NIR visual tracking system
Data interface	USB-TypeC*2
Network support	Wi-Fi 5
Screen	3.9" AMOLED
Output format	3D Color Point Cloud PLY      3D Gaussian Splatting PLY 3D Colored Polygonal Model OBJ
Built-in battery	12000 mah, supports 1 hour of work, supports external power supply while charging
Configuration	8 Cores 2.4GHz 32GB (Supports TF card expansion)
Volume	120*145*85mm
Weight	900g

### 3DMAKERPRO

 @3DMakerProCares  
 @o cial3DMakerpro  
 @3DMakerpro  
 <https://store.3dmakerpro.com/>  
 service@3dmakerpro.com

### JimuMeta

 @JimuMeta  
 @JimuMeta  
 <https://www.jimumeta.com/>  
 +1 (657) 999-5524  
 service@jimumeta.com

