3DMAKERPRO

# Raven

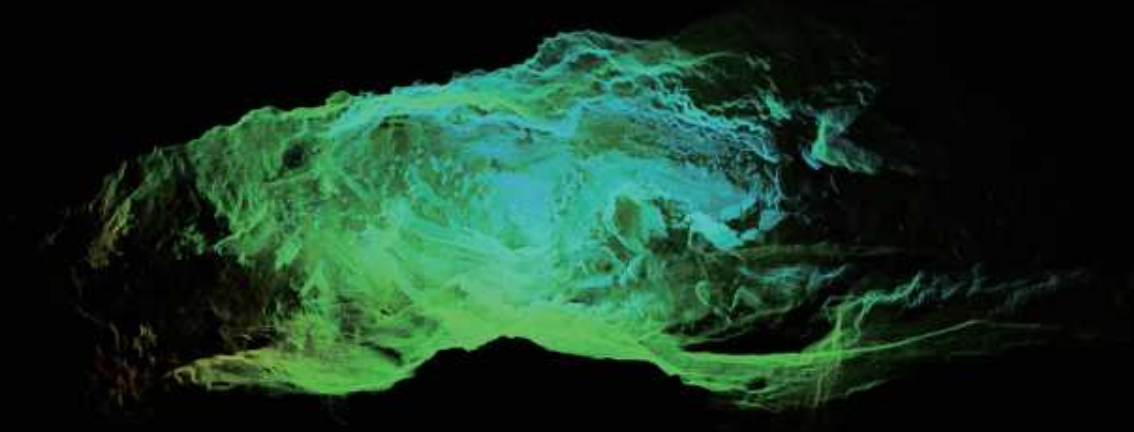
LIDAR SPATIAL SCANNER



YOUR PERSONAL LIDAR SPATIAL SCANNER

store.3dmakerpro.com

# NATURAL CAVE DATA COLLECTION AND MEASUREMENT



Raven achieves more accurate point cloud collection, solves the problem of collecting physical data in large spaces, and supports RTK positioning to improve the switching and comparison between space scanned objects and real scenes.




**Precise Point Cloud**

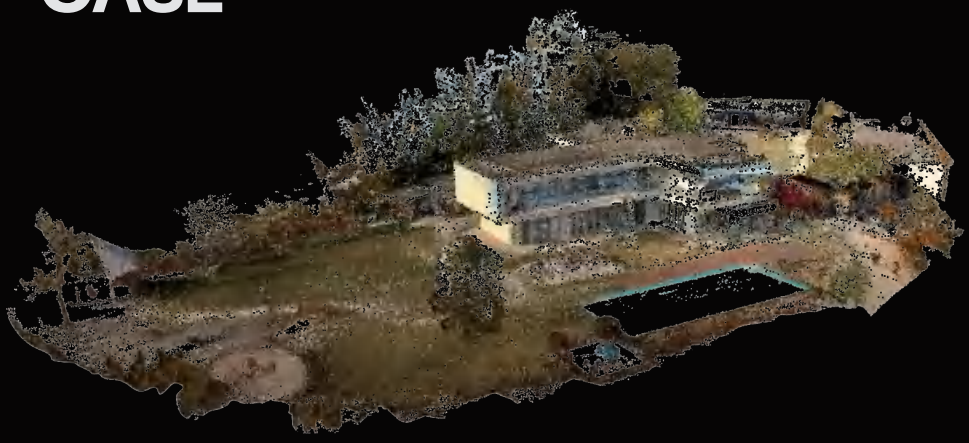
**Up to 2cm Accuracy**

**RTK Ready**

EXPANSION SUPPORT:

RTK Expansion kit

# LARGE SCALE REAL-LIFE ONLINE 3D INTERACTIVE CASE



Large scale real-time data collection, quickly forming online 3D interaction, 360 degree free shuttle, experience and discover the secrets of the most real physical space.



**Fusion Splatting Engine**

**AMOLED Screen**

**Instant Web Publisher**

**Fast Charging Battery**

EXPANSION SUPPORT:

insta360 X4/X5 Expansion kit

3DMAKERPRO

Raven





Raven Max

Performance Parameters:

| | |
|---|---|
| Accuracy | 2cm 10 meters, 3cm 20 meters, 5cm 40 meters |
| Scan radius | 40m @ 10% reflectivity 50m @ 80% reflectivity |
| Scan range | 80-100 meters |
| Scan angle | Horizontal 360°, Vertical 40° |
| Point cloud frequency | 150,000 points/second |
| Laser light source | 905 nm |
| Eye safety level | Class 1 (IEC60825-1:2014) Eye safe |
| Color texture | 12MP 1-camera/2-camera system |
| HDR mode | No |
| Data interface | USB-TypeC*1 |
| Power delivery | USB-TypeC*1 |
| Network support | Wi-Fi 5 |
| Screen | 3.9" AMOLED |
| Expansion support | RTK Expansion kit insta360 X4/X5 Expansion kit Various Accessories |
| Output format | 3D Color Point Cloud PLY 3D Gaussian Splatting PLY 3D Colored Polygonal Model OBJ |
| Volume | 148*288*98mm |
| Built-in battery | 12000mah, supports 2 hours of work, supports external power supply while charging |
| Weight | 1.1 kg |
| Configuration | 8 Cores 2.4GHz 32GB (Supports TF card expansion) |


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