



Size & Weight

Working State: **97.5*103.5*155mm**

Off State: **97.5*103.5*172mm**

Weight: **1.066kg**

AI chip

Integrated AI chip, Trillions of calculations per second

Camera

Image Sensor: **1/1.5" CMOS**

Pixel Size: **2.0 μ m*2.0 μ m**

Effective Pixels: **50 million**

Effective Pixel Resolution: **8192x6144**

Lens System: **12x Optical Lenses**

Zoom Range: **5x Optical Zoom**
12x Hybrid Zoom

Aperture: **f/1.8-f/3.0**

Focus: **Auto Focus**
Manual Focus

Equivalent Focal Length: **4.6mm-23mm**

Field of View: **W (1x) : FOV (D): 89°; FOV (H): 81°**
T (5x) : FOV (D): 21°; FOV (H): 18°

ISO Range: **100-6400**

Exposure Value: **\pm 3EV**

Electronic Shutter Speed: **1/8000 s to the limit of frames per second**

White Balance: **2000K-10000K**

Cyroscope: **6-axis Gyroscope**

Photo Resolution: **4K, 1080P, 720P**

Resolution and Frame Rate: **Recording**

4K: 3840*2160@60/59.94/50/48/30/29.97/25/23.98 fps

1080p: 1920*1080@120/60/59.94/50/48/30/29.97/25/23.98 fps

720p: 1280*720@120/60/59.94/50/48/30/29.97/25/23.98 fps

HDMI

4K: 3840*2160@60/59.94/50/30/29.97/25/24 fps

1080p: 1920*1080@60/59.94/50/30/29.97/25/24 fps

1080p: 1920*1080i@60/59.94/50 fps

720p: 1280*720@60/50 fps

SDI

1080p: 1920*1080@60/59.94/50/30/29.97/25/24 fps

NDI/RTSP/SRT

4K: 3840*2160@60/59.94/50/48/30/29.97/25/23.98 fps

1080p: 1920*1080@60/59.94/50/48/30/29.97/25/23.98 fps

720p: 1280*720@60/59.94/50/48/30/29.97/25/23.98 fps

Max Video Storage Bitrate: H264 : 160Mbps , H265 : 160Mbps

Supported File System: FAT32, exFAT

****Only exFAT supports segmented video storage.**

Video Format: MJPEG, H264, H265

3-axis gimbal

Gimbal installation: **Non-removable**

Controllable Range: **Pan: ±160°**

Tilt: -60°~32°

Roll: -120°~120°

Mechanical Range: **Pan: ±175°**

Tilt: ±90°

Roll:-135°~135°

Max Controllable Speed: **120°/s**

Angle Jitter: **±0.003°**

Wi-Fi

Standard: **Wi-Fi 6**

Wi-Fi Operating Frequency: **2.4 G/5.8 GHz**

Wi-Fi Signal Transmission Range: **2.4G 140m , 5.8G 80m**

Wi-Fi Protocol: **802.11 a/b/g/n/ac/ax**

Bluetooth

Bluetooth Protocol: **BLE 5.4**

Bluetooth Operation Frequency Range: **2.400 GHz to 2.4835 GHz**

Bluetooth Transmitter Power (EIRP): **< 14 dBm**

I/O Interface

Power Input: **USB-C: Default 5V/2A, supports USB PD3.0 fast charging protocol standard**

Maximum input voltage 20V, maximum input current 2A

(Recommended to use a charger that supports USB PD3.0 standard to ensure proper charging)

PoE+: IEEE 802.3 af/at, maximum supported input power 30W

Video Interface: **1* HDMI 2.0, 1* 3G-SDI, 1* USB-C 3.0**

Network Interface: **1* RJ45 10/100/1000Mbps Ethernet port (with PoE+)**

Audio Interface: **1* MIC IN (3.5mm audio interface), 1* LINE IN (3.5mm audio interface)**

Control Interface: **1* 2.5mm RS232 input, Protocol: VISCA / Pelco-D / Pelco-P**
1* 2.5mm RS232 output, Protocol: VISCA / Pelco-D / Pelco-P
1* USB-C 3.0, Protocol: UVC

Battery

Battery Type: **Lithium Polymer(Li-po)**

Battery Capacity: **5000mAh**

Battery Energy: **38Wh**

Battery Voltage: **7.6V**

Operating Time: **343 minutes**

Measured during continuous 1080p/30fps video recording under laboratory conditions, values are for reference only

Charging Time: **150 Mins (When powered off)**

Auxiliary Functions

Gesture Control

Auxiliary Software



Obsbot Start



OBSBOT Center



Obsbot Live

Memory card type MicroSD (Maximum Support: 1TB)

Operating environment

Camera working environment temperature: -10°C-40°C

Battery charging ambient temperature: -10°C-40°C

Battery operating ambient temperature: -10°C-40°C

⚠ Charging will stop when the battery temperature exceeds 45°C.

For example, when connected to an external power supply, if the battery temperature exceeds 45°C, the camera will stop charging and will be powered directly from the external power supply.

