



The Kandao Obsidian GO camera is a fully integrated six sensor prosumer 3D 360° VR one piece camera system designed for beginners and experienced users.

The Obsidian GO has simple operation and features 8K panoramic photo in 2D and 3D with timelapse, and 4KVR video capture. Each camera is fully calibrated with synchronised (genlocked) sensors.

Kandao video and still files are compatible with commercially available professional stitching software and their own comprehensive Kandao Studio software (windows only) producing the highest quality images with superbly accurate stitch lines for a precise sync.

Now users can focus on storytelling rather than technical issues.

Sophisticated

Superior

Compact

Powerful

OBSIDIAN GO PROSUMER STARTER

360° 3D VIRTUAL REALITY CAMERA

Specifications:

- One-piece prosumer 3D 360° VR camera
- Ergonomic Design
- Captures VIDEO, PHOTO or TIME LAPSE
- **4K x 4K** resolution @ 30 fps,
- **LIVE 4K 360° 3D** @ 3Mbps ~ 4mbps through one single ethernet cable
- <20 metre WiFi remote control via iOS and Android app. (Requires external Router)
- 3 Button Intuitive Operation
- LED Camera Status Indicators
- Precise pixel level synchronisation
- Harmonised Auto-Exposure and White Balance
- Sealed Aluminium / Magnesium Housing
- Requires 2 x Canon LP-E6N Li-ion Rechargeable Batteries (Not Included)
- 2 years warranty
- Kandao Studio Post Production Solution



Other Kandao cameras include:

Obsidian R **High Res. 8K x 8K @ 30 fps**

Obsidian S **High Speed 4K x 4K @ 120 fps**

SeeSense are able to provide full technical assistance and back up for this camera. Please contact SeeSense for further details and for accessory options

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Specification - Features

Image Sensor	6 x Synced 16M Back-Illuminated CMOS sensors
Stitched Output Resolution	7,680 x 7,860 pixels (Maximum)
Sync / Freq	4K @ 30 fps
3D 360° Resolution	3,840 x 3,840 (4K x 4K) @ 30 fps
Coverage	Full-spherical, 360 x 180 degrees Stereoscopic Coverage 360°(h), +/- 83°(v)
Lens	6 x 220° F2.0 Fisheye Lens
ISO	Auto 100 - 1,600 ISO
M.O.D.	1.5m (closer than <1m might not stitch)
Dynamic Range	10 Stops (Video); 12 Stops (Photo)
Frame Rate	30 fps @ 4K x 4K
Photo Resolution	7,680 x 7,680 8K x 8K
Sync	Kandao Sync Technology at line sync level between all six sensors
Auto Exposure	Harmonised auto exposure
White Balance	AWB (Automatic White Balance) co-ordinated with all six cameras for harmonised images
Microphone	Built in 6 channel
Stabilisation	Supported in Kandao Studio
Time Lapse	Adjustable - 1 frame per 10 seconds standard with (DNG RAW supported) up to 4 hours shooting time
Remote Control	By WiFi up to 20metres through Obsidian APP

Storage / Output

Output Format	Video - MOV, Photo - JPG / (DNG coming soon)
Video Format	3dv.mp4 (Stereoscopic)
Recording Media	Micro SD / TF card
Output Compression	H.264

Connectivity

Camera I/O	Each camera connects via Micro USB cable
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Power

Power	12V Power Supply / Battery 7.4V
Battery	2 x Canon LP-E6N Lithium Ion 10x6x3cm 45g Up to 4 hours operation

Physical features

Body Material	Aluminium Magnesium Alloy
Dimensions	140mm diameter x 90mm height
Weight	1.015 KG
Camera Mount	1/4 UNC Standard tripod mount on bottom
Working Temp.	-10° ~ +40°C
Storage Temp.	-40° ~ +80°C
Working Humidity	10 ~ 90% Relative Humidity

Obsidian App.

Control the camera from up to 20m away via iOS and Android app.
View all six cameras live
Set video size and frame rates
Manually adjust video exposure, white balance, time lapse period, etc
External router required and not included with camera

Kandao Studio

Effortless One Click Technology giving Seamless Experience
Immersive 3D Depth
Ambisonic Surround Sound Supported
GPU acceleration speeds up creative workflow
Edit in 2D or 3D modes, and MUCH MORE

Obsidian GO System Includes:

Obsidian GO Camera with User and Operating Guides
PoE Power Supply PoE Power Cable, Sync cable, Ethernet Cable
Lens Cleaning Cloth
Hard storage case with shoulder strap and foam cut inserts

Accessories from SeeSense

- External Router For current recommendation please contact SeeSense
- Battery Canon LP-E6N (camera requires two)
- Bushman Amarula Carbon VR Tripod
- Bushman 1.9m Coreopole
- Bushman 0.9m Corelite

If you have a specific requirement please contact SeeSense for advice.



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