Obsidian R

Professional 8K 3D 360 degree Camera

8K High Resolution

Obsidian R is capable of shooting 3D 360 degree photos and videos.
This 360 camera can generate 8K horizontal and vertical resolution 3D
360 image with crisp and vivid details.

Stereoscopic 8K 360 Camera,
True Virtual Reality

· A minimalistic design – six camera lenses, stereoscopic 3D effect, a human visual system inspired.

· Deep learning – based on optical flow stitching algorithm, a beast of high quality and speed.

· Natural and comfortable – recording real time human experience in total VR(stereoscopic parallax).

Obsidian S   Obsidian R

Obsidian R

High Resolution 8K Camera

8K Resolution

30fps 3D VR 360 video

4K Resolution

60fps 3D VR 360 video

8K Resolution

3D VR 360 photo

f2.8

High quality fisheye camera lenses

HDR

Up to 12 stops of dynamic range
in spherical image capturing

Stereoscopic 360 Camera · True Virtual Reality

A true sense of immersion can only be created by the 3D 360 video. It's the key to offer stereoscopic 3D virtual tours for the audience. Kandao Obsidian camera system utilizes a deep-learning optical flow stitching method, and can automatically generate high quality 8K full frame stereoscopic panoramas.

Professional 8K 360 Camera

Kandao VR cameras provide the time-lapse recording and support of 3D 360 degree 8K video and photo.
360 video is recorded with flat/standard/log mode, and 360 photo support 8K raw DNG format.

Obsidian R 8K 360 Camera

Obsidian S 120fps 360 Camera

A Complete Solution Delivery

Obsidian
360 Cameras

Editing
Software

App remote

8K video
Live Streaming*

Kandao camera company comes with an overall software solution, including rich functionalities. It ranges from post-processing, editing, stitching, and VR video encoding to live streaming*. Also, this total solution supports industry-standard format and can be easily connected to your existing workflow. It levels the learning curve for new 3D 360 videos producers and liberates you from the tediousness of the post-production, so that you can focus on creation.

*License required

Rich Manual Setting Options Complete Details Control

Aperture   ISO   White Balance   Exposure

Users have remote control of the 8K video camera through a laptop, an iPad or a phone. With real time preview, every detail of the 360 video camera is under your control. You have the option to tweak settings for the best effect of photos and videos and get confidence in every scenario.

One Cable to Rule Them All

One Ethernet

Say goodbye to the bulky expensive HDMI capture cards and nightmarish HDMI cables, which are needed to view a playback. Even more, the power cord is gone. One Ethernet cable does all from image setting control, and file transfers for previewing and up to 8K 3D 360 live streaming.

Super Friendly Portable Design for Users

Kandao Obsidian stereoscopic 360 VR camera is designed for convenience. Like action cameras, you can take it anywhere and set it up easily, whether you place it on drones, cars or hold it by hand.

Portability

The palm-sized Kandao Obsidian 360
camera is designed for convenience.

Mobility

Durable metal-body VR camera with a
lightweight of
1.2kg

Flexibility

Three powering options: two
batteries/external 12V
charger/Ethernet cable

The Perfect Synergy of Art and Technology

The Kandao Obsidian honors its name having been awarded Best of Innovation
in the Digital Imaging category, CES 2017. With its elegant design and
professional-grade imaging capability, it offers a rich plethora of features to VR
content professionals.

Obsidian S

Obsidian R

iF Design Awards 2018

The iF Design Awards is recognized as one of the most respected awards within the field of design. Kandao Obsidian and QooCam VR cameras won over 6,400 entries from 54 countries and received prestigious 2018 iF Design Awards, which shows their high level of performance and proven design quality.

CES 2017 Best of Innovation

Recipients of the CES Best of Innovation Award are viewed as trendsetters in the global technology industry. The digital imaging category has previously been dominated by top international brands such as Sony and Nikon. The Kandao Obsidian Stereoscopic 360 Camera beat out fierce international competition and became the first Chinese brand product to win this award.

German Design Award Winning 2018

The German Design Award is one of the most prestigious design competitions in the world. Every year, only a select few products who are already recognized worldwide with high design and quality standard are eligible for nomination by the German Design Council. The "winner" title is an award of excellence bestowed only on entries chosen by the jury from within each category.

More Value-adding Functionalities

Built-in IMU sensors integrated for image stabilization software

Handy tools to improve the image quality (Denoise/ Defringe/ Exposure compensation)

Warm-swap batteries, long battery life

6 SD cards , Support 360 degree ambisonic audio recording

Flexible bit rate options: 60 mbps & 100mbps

How-To Video

Watch the following video to see how Obsidian 3D 360 camera is easy to use.

Professional 3D 360° VR Camera

Obsidian