

VUZE

human·eyes



Vuze+ 3D 360° Virtual Reality Camera

Key features

- 4K Stereoscopic 3D 360° Video and Photo
- 3D audio
- LIVE preview and LIVE broadcast
- Lightweight and Easy to Use
- Automatic VR generation with proprietary stitching technology in Vuze VR Studio
- VR Video Compatible with Humaneyes Zone, Youtube, Facebook and any VR headset or mobile device.



Vuze is a 3D 360° VR camera – capturing full spherical videos and photos in stereoscopic 3D. The footage needs to be stitched to a spherical format using a proprietary stitching technology developed for use with the camera.

Vuze is provided together with the Vuze Camera App, Vuze VR Studio and Vuze LIVE Studio. Vuze Camera App can be used to remotely control the camera and manage media stored on a removable SD card. Vuze VR Studio is used to edit captured media using spherical editing tools and to render and stitch media using proprietary stitching technology. Vuze LIVE offers live streaming from the Vuze+ camera to a computer via USB cable with real time preview, editing and live broadcasting options.



Vuze VR Studio



Vuze Camera App



Vuze LIVE Studio

Specifications

Optics	
<i>Sensors</i>	8 Sony FHD image sensors imx408
<i>Lenses</i>	8x F/2.4 fisheye lenses
<i>Media FOV</i>	360°x180° (Full Spherical)
<i>ISO</i>	100-1600
Operation	
<i>Processors</i>	Two Ambarella A9 video processors
<i>Controls</i>	Single button operation and remote-control mobile application
<i>Indications</i>	Colorful LED indications
<i>IP rating</i>	IP65 (Dust tight, water jet proof)
<i>Operating ambient temperature</i>	0 - 40°C
<i>Operating ambient humidity</i>	Under 95% RH
<i>Battery type</i>	Li-ion 3,700 mAh (3.8V) (non replaceable, rechargeable)
<i>Battery life</i>	About 2 hours recording
<i>Motion tracking</i>	Inertial measurement units (IMU): Accelerometer, Gyroscope, Compass
<i>WiFi</i>	IEEE 802.11b/g/n 2.4 GHZ
<i>USB port</i>	USB 2 (for charging and data connection)
<i>Memory</i>	Removable Micro SD card, compatible with UHS 3
<i>Bluetooth</i>	Version 2.1 + EDR (Class1), 2.4GHz
Video/Image	
<i>Spherical Resolution</i>	4K (per eye)
<i>Frame rate</i>	30fps for 3D or 60fps for 2D
<i>Bit rate</i>	120 MB/sec or 80 MB/sec (configurable by app)
<i>360 Video Format</i>	mp4 (over-under for 3D)
<i>Video Compression</i>	H.264
<i>360 Photo Format</i>	JPEG (over-under for 3D)
Audio	
<i>Microphones</i>	Four MEMS 48KHz microphones
<i>Format</i>	Four AAC audio tracks
<i>Spatial audio</i>	Spatial audio 1st order ambisonics
General	
<i>Camera weight</i>	~ 460 g
<i>Camera dimensions</i>	~ 120x120x30 mm
<i>Package dimensions</i>	240x160x60 mm
<i>Camera color</i>	Black
<i>Included accessories</i>	Hardshell case, Mini-handle, Mini VR glasses, USB cable, Power adaptor (model KSA29B0500200D5), Lens cleaning cloth, Rubber protective cover
<i>Camera model</i>	HETVZ-P
<i>UPC / EAN</i>	634041992729 / 0634041992729

Hardware Requirements

In order to run Vuze VR Studio software the following setup is advised:

Windows:

Minimal - Windows 8.1, CPU with AVX support, 4GB RAM, Integrated or discrete GPU with 2GB RAM, DirectX 11, OpenCL 1.2, and the most recent drivers

Recommended - Windows 10, CPU with AVX support, 8 GB RAM or higher, Fast discrete GPU (NVIDIA,AMD) with 3GB RAM, DirectX 11, OpenCL 1.2, and the most recent drivers.

Mac:

MAC OS Sierra (12.0) or later, GPU supporting OpenCL 1.2