

## Vuze Camera

### 3D 360° VR Camera



### Key features

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

The Vuze Camera 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 camera is provided together with Vuze Camera App and Humaneyes VR Studio. Vuze Camera App can be used to remotely control the camera and manage media stored on the internal SD card. Humaneyes VR Studio is used to edit captured media using spherical editing tools and to render and stitch media using proprietary stitching technology.

The camera is available in four colors – yellow, black, blue and red.



Vuze Tripod



Vuze Camera App



Humaneyes VR Studio

# Specifications

Optics	
Sensors	8 Sony FHD image sensors imx408
Media FOV	360°x180° (Full Spherical)
ISO	100-1600
Operation	
Processors	Two Ambarella A9 video processors
Controls	Single button operation and remote-control mobile application
Indications	Colorful LED indications
IP rating	IP64 (Dust tight, splash proof)
Operating ambient temperature	0 - 40°C
Operating ambient humidity	Under 95% RH
Battery type	Li-ion 3,700 mAh (3.8V) (non replaceable, rechargeable)
Battery life	About 2 hours recording
Motion tracking	Inertial measurement units (IMU): Accelerometer, Gyroscope, Compass
WiFi	IEEE 802.11b/g/n 2.4 GHZ
USB port	USB 2 (for charging and data connection)
Memory	Replaceable Micro SD card, compatible with UHS 1 and above.
Video/Image	
Spherical Resolution	4K (per eye)
Frame rate	30 fps
Bit rate	15 MB/sec or 10 MB/sec (configurable by app)
360 Video Format	mp4 (over-under for 3D)
Video Compression	H.264
360 Photo Format	JPEG (over-under or side-by-side for 3D)
Audio	
Microphones	Four MEMS 48Hz microphones
Format	Four ACC audio recording
General	
Camera weight	~ 450 g
Camera dimensions	~ 120x120x30 mm
Package dimensions	240x160x60 mm
Camera colors	Black, Yellow, Red, Blue
Included accessories	Hardshell case, Mini-handle, Mini VR glasses, USB cable, Power adaptor (model KSA29B0500200D5), Lens cleaning cloth
Camera model	HETVZ-1
UPC / EAN	634041992675 / 0634041992675 (Black) 634041992682 / 0634041992682 (Yellow) 634041992699 / 0634041992699 (Blue) 634041992705 / 0634041992705 (Red)

## Hardware Requirements

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

### 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.

The support for Mac OS will follow in summer 2017.