



**The Z CAM K1 PRO camera is fully integrated two Micro Four Thirds (MFT) sensor VR180 3D one piece camera system.** The K1 PRO is one a convenient professional VR180 3D camera with synchronised sensors, co-ordinated auto white balance and exposure for simplified production workflow. The cameras are integrated closely together to ensure a comfortable interocular for stereo images.

Z CAM WonderStitch and WonderLive software provides real time stitching for live streaming and automatic offline optical flow based stitching, both giving the highest quality images with superb stitch lines for a precise sync. The camera also works with normal stitching software such as Kolor AVP and VideoStitch.

Post processing with Wonderstitch creates a side by side stereo 2:1 projection from calibrated data for 3D effect

Focus on storytelling rather than technical issues.

**Sophisticated**

**Superior**

**Compact**

**Powerful**

**VR180 - Capture the World as you see it!**

### VR180 3D STEREOSCOPIC CAMERA SYSTEM

#### Specifications:

- One-piece professional 180° camera system
- 6K output @30fps stitched output
- 2 x 220° 3.25mm F2.5 high resolution lenses for optimal resolution
- Stereoscopic 3D
- Close interocular distance for comfortable 3D
- Superior low light performance
- Stereo microphone with external 3.5mm jack
- Precise pixel level synch technology
- Harmonised images - AE and AWB co-ordinated
- Up to 210 minutes continuous recording
- Full metal aluminium alloy compact housing
- Passive heat dissipation (no fan noise)
- AC/DC adapter & power cables
- Dedicated Wonderstitch and WonderLive Optical Flow software (option)
- Time Lapse supported
- Open API via Ethernet Port for camera control
- **Facebook and YouTube compatible**
- Camera weighs 0.7 KG
- 1 year warranty

#### OTHER VR CAMERAS AVAILABLE:

- **Z CAM S1**
- **Z CAM S1 PRO**
- **Z CAM V1**
- **Z CAM V1 PRO**

#### The Z CAM K1 PRO is ideal for:

- **Live events where you do not need to see behind!**
- **Privacy area behind the camera**
- **Newsgathering**
- **Facebook and YouTube compatible**

VR180 Format  
Certified by Google

Do you have any questions or need any help?

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

Rev: 2.007.0419 E&OE

### Specification - Features

Image Sensor	Dual Sony EXMOR 4/3" CMOS Image Sensors
Output Pixels	2880 x 2880 @ 30 fps per sensor    180 °x 180° 2120 x 1344 @ 60 fps per sensor
Sync / Freq	6K @ 30 fps
Output Resolution	6K @ 30 fps / 4K @ 60 fps (post stitching output)
Lens	2 x 220° 3.25mm F2.5 MFT Fisheye Lenses
Min. Illumination	<i>To be confirmed</i>
Frame Rate	6K@ 30 fps
Synchronization	Z CAM Sync Technology at line sync level between both sensors
ISO	Auto, Manual (ISO 100~3200)
Exposure	Harmonised auto exposure, Manual, Coordinated
White Balance	Harmonised AWB (Automatic White Balance), Manual, Coordinated
Gamma	Z CAM Z-Log professional Gamma setting

### Storage

Storage Type	2 x SD cards, up to 128GB (SDXC class 10 is recommended) <b>ZCAM recommend SanDisk Extreme Pro 95MB/s SD cards</b>
File System	FAT / exFAT
Recording time	Battery - Up to 120 mins continuous recording Power adapter - Up to 210 mins (3½ hours) continuous (Using 128GB cards)

### Connectivity

Ethernet	1 x Gigabit Ethernet Port for control setting (use Z CAM controller) and live streaming (use Z CAM Wonderlive)
Power	12V DC 3A, with LEMO connector supporting hot swap POE (Power Over Ethernet) is Supported

### Specification - Physical

Body Material	Aluminium Alloy Housing
Dimensions	125mm x 64mm x 87mm
Weight	0.7 KG (without lens cover)
Camera Mount	3/8 UNC Standard tripod mount underneath

### Specification Performance - Video

Live Streaming	Supported by ZCAM Wonderstitch (on PC)* * Requires NVIDIA GTX1070/1080
Time Lapse	Is supported
Post Processing	Supported by ZCAM Wonderstitch (on PC)
Live View & Control	Via Z CAM Controller (PC, Mac, iPad & iPhone)
WiFi	Built in 802.11n (equipped with external antenna port)
GPS	Built in (equipped with external antenna port)
Video Encoder	H.264
Bitrate for 4K UHD	80 Mbps
File Format	MOV
Microphone	Built-In Stereo Micropone External Microphone port via 3.5mm mini-jack
Audio Encoder	AAC

### Includes (from SeeSense)

Z CAM K1 PRO Main Camera Unit  
Z CAM K1 PRO Lens Caps (2)  
AC/DC Power Adapter Unit  
Power Connection Cables  
(UK, EU and US Plugs)  
D-TAP Connector  
Quick User Guide  
Protective Carrying Case



### Accessories

Bushman 1.9m Corepole  
Bushman Amarula VR Carbon Tripod  
If you have a specific requirement please contact SeeSense for advice.



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