

Z CAM S1

Professional VR Camera
Designed for VR content creators
and professional users.



Z CAM S1 highlighted features

All-glass 10 layers premium fisheye lens

Built-in Z CAM Sync for simultaneous recording

4K 60fps or 6K 30fps output (post stitching)

Gigabit ethernet port + four HDMI ports

Coordinated AE & AWB

Detachable battery unit

* Battery cells not included in the packing

Technical Specifications

Highlights

Spherical Resolution	4K@60fps / 6K@30fps (post stitching output)
Individual Camera Resolution	2704 x 1520 @60fps / 3840 x 2160 @30fps
Auto White Balance & Auto Exposure	Coordinated

Camera

Video Processor	4 x Ambarella A9 S75 processor
Image Sensor	4 x Sony EXMOR CMOS Image Sensor
Lens	4 x All-Glass 190° Fisheye Lens
Camera Exposure	Coordinated Automatic Exposure
White Balance	Coordinated Automatic White Balance
Synchronization between Sensors	Built in Z CAM Sync hardware solution
Video Encoder	H.264 high profile
Bitrate for 4K UHD	60Mbps
File Format	MOV
Professional Gamma Setting	Z-Log (a proprietary Z CAM gamma setting for professionals that require postproduction flexibility)

Body Construction	Full metal housing, aluminium alloy
Microphone	4 x Directional mono microphone
Audio Encoder	AAC
Dimensions	9.2cm x 14.2cm (diameter x height) 3.62inch x 5.59inch (diameter x height)
Weight	0.65kg / 1.43lb
HDMI port	4 x Mini HDMI ports, 1080p Input 100V/240V, Output DC 12V 5A

Power Options

AC/DC Power Adapter	
Detachable Battery Unit	Using 4 x 18650 standard Li-ion rechargeable battery cells Size & Dimension 7.7cm x 10.4cm (diameter x height) 3.03inch x 4.09inch (diameter x height) Weight 0.37kg / 0.82lb (w/o battery cells)

Storage

4 x SD Card, up to 128GB (SDXC class 10 is recommended)

HDMI port

4 x Mini HDMI ports, 1080p @60fps

Gigabit Ethernet Port - Control & Setting

ISO	Auto, Manual (ISO 100-3200)
White Balance	Auto
Metering Mode	Center, Average, Spot
Brightness	Yes
Sharpness	Yes
Saturation	Yes
Contrast	Yes
Manual Shutter Angle	Yes
Image File Transfer	Yes
