

# CS-SP200-A0-212WFBS

EZVIZ ACTION CAMERA



## Introduction

SP200 is an action camera. It can be used for off-road, mountain climbing, surfing, diving, skydiving, skiing and other outdoor sports. 16MP DSLR level image sensor, 158° ultra wide angle, High-speed Motion Recording 720P@120fps/WVGA@240fps. Capture every wonderful moments. Support head strap, selfie stick, roll bar mount, adhesive mounts, chest harness and other various of accessories.

## Main Features

- ◇ 158° Ultra Wide Angle;
- ◇ 16MP DSLR level image sensor;
- ◇ Recording @4K, 15fps full HD;
- ◇ High speed burst (15pic/s);
- ◇ 900mAh battery for super long standby time;
- ◇ Standard ¼ inch interface for different types of camera brackets;
- ◇ Supports micro SDHC/SDXC card ( Maximum 128G )
- ◇ HDMI for TV display connection;
- ◇ G-sensor for motion detection;
- ◇ Time lapse capture;
- ◇ Electronic Image Stabilization (EIS) with rolling shutter correction;
- ◇ Mobile App for video editing with Wi-Fi Connection;

## Dimension



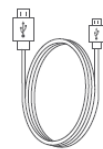
## Accessories (Reference)



Battery



Power Adaptor



USB Cable



USB Cable



Quick Start Guide

# Specifications

Video	Video Format	Resolution	NTSC(fps)	PAL(fps)	Field Of View
		4K SuperView	15	12.5	Wide
		4K	15	12.5	Wide
		2.7k SuperView	30	25	Wide
		2.7K	24/30	24/25	Wide/Medium
		2.7K 4:3	30	25	Wide
		1440P	24/30/48/60	24/25/48/50	Wide
		1080P SuperView	24/30/48/60	24/25/48/50	Wide
		1080P	24/30/48/60	24/25/48/50	Wide/Medium/Narrow
		960P	60/120	50/100	Wide
		720P SuperView	60/120	50/120	Wide
		720P	30/60/120	25/50/120	Wide/Medium/Narrow
		WVGA	240	240	Wide
		H.264 BP/MP/HP Level 5.1 With MP4 Muxer File Format			
Record Mode	Video、 Video+Photo				
Low Light	Auto Adjust Frame Rate for enough exposure time purpose				
Distortion Correct	Better X/Y Correct				
EIS	Advanced EIS with X/Y/Z+rotation correct				
HiLight Tag	High Light Important Time,used for Post processing				
Loop Mode	To set up the storage mode according to the time interval set				
Single	Photo Size	16MP Wide、 12MP Wide、 8MP Medium、 5MP Wide			
	Night	2s、 5s、 10s、 15s			
	Distortion Correct	Better X/Y Correct			
	Meter Mode	Center、 Average、 Spot			
	Protune	White Balance、 ISO、 Sharpness、 Ev Comp、 Color Pattern			
Burst	Photo Size	16MP Wide、 12MP Wide、 8MP Medium、 5MP Wide			
	Burst Rate	15 pictures 1 second 15 pictures 2 seconds 15 pictures 3 second 10 pictures 1 seconds 10 pictures 2 second 10 pictures 3 second 5 pictures 1 second ( default ) 3 pictures 1 second			
	Distortion Correct	Better X/Y Correct			
	Meter Mode	Center、 Average、 Spot			
	Protune	White Balance、 ISO、 Sharpness、 Ev Comp、 Color Pattern			

# Specifications

<b>Timelapse</b>	<b>Shutter Mode</b>	<b>Timelapse Photo、 Timelapse Video</b>		
	Photo Size	16MP Wide、 12MP Wide、 8MP Medium、 5MP Wide		
	Video Resolution	4K SuperView、 4K、 2.7k Superview、 2.7K 4:3、 1440P、 1080P SuperView 1080P、 960P、 720P SuperView、 720P、 WVGA		
	Shutter Interval	1s、 3s、 5s、 10s、 30s、 60s、 120s、 300s		
	Meter Mode	Center、 Average、 Spot		
	Night	2s,5s,10s,15s		
	Distortion Correct	Better X/Y Correct		
	Protune	White Balance、 ISO、 Sharpness、 Ev Comp、 Color Pattern		
<b>Playback</b>	Decode Photo and Video Files in sd Card and Display it via LCD or HDTV			
<b>Setup</b>	View	Up、 Down、 Auto		
	Default Mode	Video、 Single、 Burst、 Timelapse		
	Driving Mode	The camera automatically starts and Shutter after the camera detects the motion		
	Vout Mode	Switching HDMI HD output and AV analog output		
	LED	Set it on or off		
	Beeps	Set the Gain of Beeps or Turn it off		
	OSD	Turn on screen display on or off		
	Quickly Capture	Camera will Fastest speed boot and start shutter		
	Auto Off	Set Auto Power Off Time		
	Date And Time	Set Date And Time		
	Mic Gain	Set The Gain of Mic		
	Speaker Gain	Set The Gain of Speaker		
	Camera Reset	Reset Camera to default Settings		
<b>Wireless</b>	BLE 4.0	Embedded bluetooth4.0		
	WIFI	802.11b/g/n、 Mobile App Support		
		App&Remote	Select connect Mode with Mobile App Or Wifi Remoter	
		SSID	Support SSID Modify with Mobile App	
		KEY	Support KEY Modify with Mobile App	
RESET	Reset SSID and KEY to system default			
<b>Display</b>	HDMI	Display With		
	AV	AV output Use USB Interface		
	Embedded LCD	320x240 LCD With Touch Pannel		
<b>Lens Specification</b>	1/2.33" CMOS Full glass lens for high image quality, 3mm@f2.8 158°Ultra-wide angle of view with less distortion			

# Specifications

<b>Platform</b>	<b>Ambarella new generation Video Processor, using advanced 28-nm silicon technology</b>	
<b>Memory</b>	4Gb LPDDR3、 2Gb Nand Flash	
<b>Sensor</b>	Panasonic new generation video sensor for sport dv	
<b>Battery</b>	Battery Type	Replaceable、 Rechargeable li-ion battery
	Battery Parameters	900mAh
	Battery Life	1.5 hours (Varies with different video mode)
<b>Audio</b>	48kHz (sampling), AAC compression Advanced AGC (automatic gain control) Build-in two microphone for wind noise reduce Single track Beeps for shutter notify	
<b>Interface</b>	Micro USB3.0	For charging when connect with power cable; For playback/file transportation/charging when connecting with PC; AV output
	Micro HDMI	For play on HDTV via HDMI cable
	MicroSD	Storage card
<b>Storage</b>	Standard	Class 10 or up to UHS-1 level Micro SD storage card
	Capacity	4GB、 8GB、 16GB、 32GB、 64GB、 128GB
	Recording Time	Varies with different resolution and frame rate
<b>IMU</b>	G_sensor/Gyro	For EIS、 Driving Mode、 Motion Awake
<b>Photo/Video Preview/Playback / Setup</b>	App for Mobile Device	For iOS and Android system Live view, playback, recording, configuration, video file editing, and one-touch share to social media are supported.
<b>Protection Grade</b>	Camera	40 meters diving with water-proof case
	Remote	IP67
<b>Operating Conditions</b>	Temperature: -20° C to 45° C;	