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Internet store of autogoods

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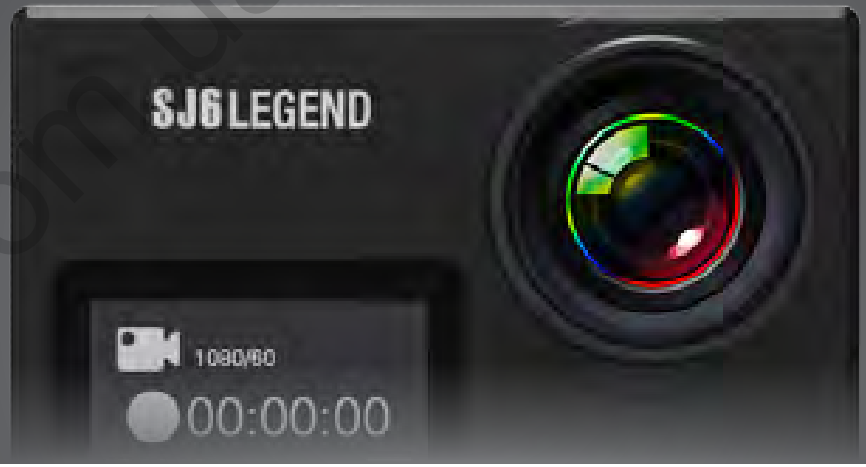
SJCAM®

TOUCH SCREEN | Dual Display | GYRO ANTI-SHAKE | 16 MP | 2K 30 FPS



SJ6 LEGEND

User's Manual

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Firmware v1.4.3

ENGLISH

SJCAM

INTRODUCTION

We believe everyone has a dream. Our mission is to make you express yourself, your vision and dreams in order to make them real, and share them with others.

In the last 10 years of experience in Research and Development and Commercialization, we have gained world recognition from customers and retailers, with the ambition to give people the possibility to create, explore and empower their dreams. Having our own factory, controlling the whole production process, and a facility with more than 500 employees, makes us more versatile and able to reach the market fast, ensuring that the highest quality standards are met. It is all about dreams. Dare to join the SJCAM Revolution.

-SJCAM CEO

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SJCAM®

Congratulations on your new SJCAM Action Camera!

We know you're excited to use your SJ6 LEGEND, please take time to read this manual before doing anything with it. This is the very first touchscreen SJCAM, and there's plenty you can do, so you need to familiarize yourself with the features now to get the most out of it.

It is important to keep your camera's firmware up to date. You may connect your camera via WiFi to the SJCAM ZONE app to automatically download and install the latest firmware, or visit www.sjcamhd.com/firmware.

CAUTION!

1. This is a high-precision product. Do not drop.
2. Do not expose the unit to strong magnetic fields, such as magnets, electrical motors, and machinery that use strong radio waves.
3. Never leave the unit in high temperature areas. Electronics and optics can be damaged under prolonged exposure to heat.
4. Do not submerge the camera without putting it in the included waterproof case.
5. Avoid extended periods of battery charging. Keep it away from children and pets while charging to avoid accidents.

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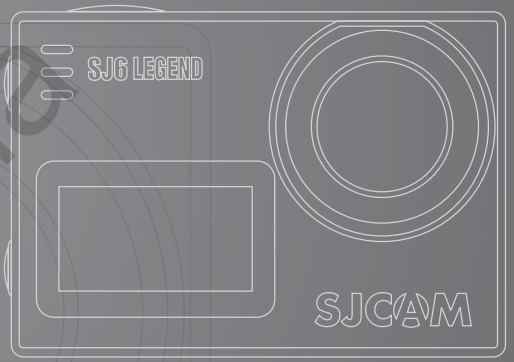
SJCAM

SJ6 LEGEND SPECIFICATIONS

Model: SJ6 LEGEND
Type: Sports Camera
Type of Camera: 4K (interpolated)
Chipset: Novatek 96660
Sensor: CMOS
Max External Card Supported: Micro SD 128G (not included)
Screen size: 2.0inch
Screen type: LTPS
Battery Type: Removable
Capacity: 1000mAh
Power Supply: 5V 1A
Charge way: AC adapter,Car charger,USB charge by PC
Working Time: 110 minutes
166 degree wide angle lens
Decode Format: H.264
Video format: MOV,MP4
Video Resolution: 1080P(30fps),1080P(60fps),2K (30fps),4K (24fps),
720P (120fps),720P (30fps),720P (60fps),VGA (240fps)
Video Frame Rate: 120fps,25fps,30FPS,60FPS
Image Format : JPEG
Audio System: Built-in microphone/speaker (AAC)
WIFI: Yes
G-sensor: Yes
Language: Czech,Danish,English,French,German,Hungarian,Italian,Japanese,Korean,
Polski,Portuguese,Romanian,Russian,Simplified Chinese,Slovak,Spanish,Traditional Chinese
50Hz,60Hz
Product size (L x W x H): 5.90 x 4.10 x 2.11 cm / 2.32 x 1.61 x 0.83 inches
Package size (L x W x H): 25.00 x 13.10 x 6.40 cm / 9.9 x 5.2 x 2.5 inches
Product weight: 0.082 kg
Package weight: 0.700 kg



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PARTS OF YOUR CAMERA

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SJCAM SJ6 LEGEND

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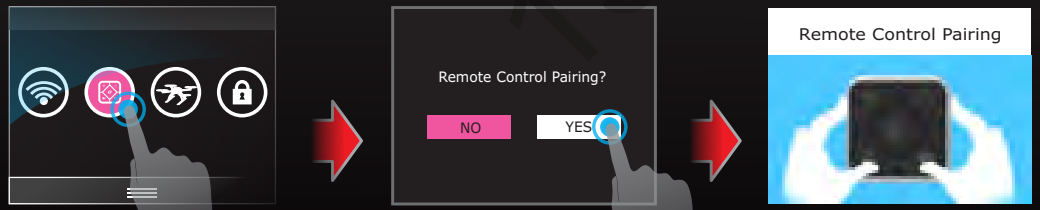
SJ SMART REMOTE (Optional)



To pair your remote to your LEGEND: Swipe down from the top > Select Remote Control choose “Remote Control Pairing”. A picture instruction will appear. Press the Video and the Photo buttons on the Remote simultaneously. “Pairing Completion ID” will show.

Once your Remote is paired, you will never need to pair it again. Everytime the SJ6 LEGEND is turned on, your SJ Remote can control your camera.

The Remote is tested to work at a maximum distance of 30 feet, or 10 meters, Line-Of-Sight.

The battery on your Remote will last you a long time as it only uses power when you press any of the buttons.

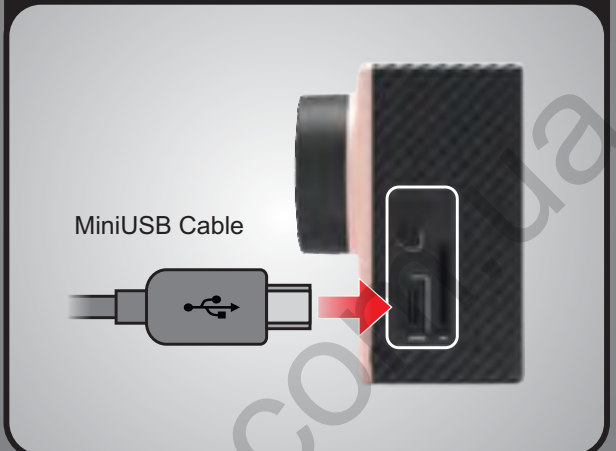
The remote is powered with a Lithium CR2032 button-cell battery.

Removing the SJ6 from the Waterproof Case.

Remove the camera from the waterproof case by lifting the clasp from the front side of the case, following the steps shown above.

Once free, swing the backdoor open, then pull the camera out from the waterproof case.

Charging your camera using the MiniUSB cable.



Plug the MiniUSB cable to the slot on the side of the camera as indicated above, and the other end to a USB wall charger with an output of 5V 1A, or plug it to a computer.

Removing the battery.

Remove your battery by sliding the lock at the bottom of the camera to release the compartment door.
Pull the battery out by the flap, plug it to an External Dual Charger Accessory (not shown, sold separately).

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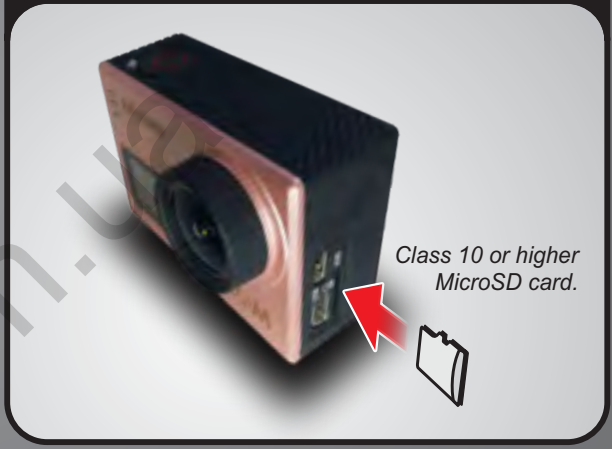
Powering ON/OFF your SJ6

Press and hold the Power/Mode button to turn your camera on.
You will hear a beep, indicator LEDs will light up, and the screen will display the SJCAM logo.
To turn off your camera, press the Power button once.

Inserting / Removing Memory Cards



Insert a MicroSD card as shown in the illustration above, with the label facing the front of the SJ6, until it clicks into place. To remove, just push it in gently and the card will eject.

NOTE: To make sure you do not lose any data, only remove or insert your card while the camera is turned completely off.

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The Main Screen

Current Mode Icon

Icon will show what mode you are currently in. The options will vary depending on the mode.

Status Indicator Lights

Red and Blue lights will indicate the status of the camera operation.

Go to Playback Mode

Tap this icon to go to the camera's gallery and view the videos and photos you have recorded.

Battery Level Indicator

Displays approximate power left on the battery. Battery blinks when almost empty.

Gyro Stabilization (On)

An indicator showing that the Gyro Sensor is active. Will not show when turned off.

Go to Settings

Tap this icon to make changes to the setting for the selected mode, or for General options.

NOTE:
The SJ6 LEGEND uses an LCD that is backlit. The screen is only meant as a visual guide for composition, and will not show exposure configurations that you set.

The Main Screen has many nested menus available by tapping or swiping.

Proceed to the next page to see the exploded view of the hidden menus.

You can also hide all the icons on screen to use the viewfinder without the onscreen icons and indicator labels by tapping anywhere in the middle.

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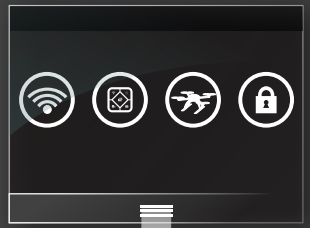
These are all the screens nested in the Main Screen. You can tap or swipe to access them.

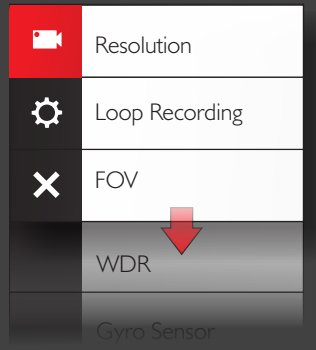
Toggles Screen

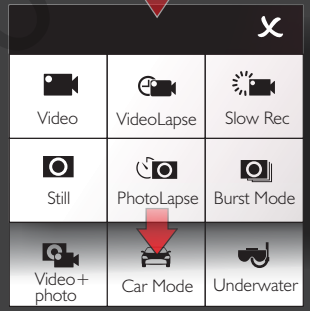


Main Screen [ViewFinder]

Playback Screen

Settings Screen





Modes Screen

SJCAM

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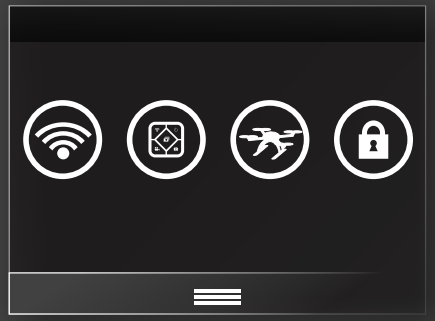
The Toggles Screen



Toggle WiFi On or Off

Tap this icon to turn on or turn off WiFi. Pressing the WiFi button on the side of the Legend will also do the same thing.

SJ Remote Toggle / Remote Pairing

Tap this icon to receive commands from the remote, or to disable it. You can also pair an SJ Remote through here.

Toggle FPV Mode

Turns on/off First Person View. This enables analog TV-Out via USB A/V cable, and will lock all WiFi operations to prevent interference with other FPV equipment.

Lock Screen Toggle

Disables the touchscreen and buttons cannot be accessed. Touch the LCD to show the Unlock screen.

Slide the Key icon to the Lock to open.

Swipe Up to return to Main Screen

Swipe this up to hide the Toggles Screen

To get here, swipe from the top.

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The Playback Screen

Elapsed Time

File Number / Total

Playback Icon

Visual indicator that you are in Playback mode.

Battery Level Indicator

Shows amount of battery charge left.

Go to previous file

Tap or swipe to get to the previous file.

Go to Next File

Tap or swipe to get to the next file.

Return to Main Screen

Tap to exit Playback Mode and return to Main Screen.

Delete Current File

Tap to delete the file currently shown on screen.

File Resolution

To get here, tap this.

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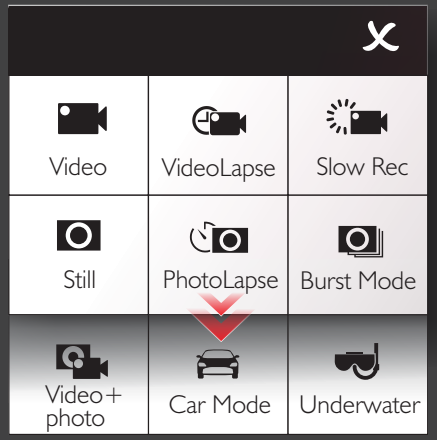
The Modes Screen



Exit to Main Screen
Tap this X icon to exit.

To get here, tap this, or swipe up.

Swipe DOWN to access Video+Photo, Car, and Underwater Modes.

Video — Mode for recording videos.

VideoLapse — Timelapse photography stitched on-cam to produce a video.

Slow Rec — For recording video in slow motion.

Still — Still photograph mode.

PhotoLapse — A series of still photos for creating timelapse. Each photo will have its own file.

Burst Mode — Fast multiple succession of snapshots, choose the number of photos desired (Max: 10).

Video+ photo — For recording video while a sequence of photos are taken at a set interval.

Car Mode — Automatically starts the camera and begins recording once the engine is started (Car Charger Cable Accessory required).

Underwater — Adds a tinge of red to photos or videos to eliminate the need for a red-filter when using the camera underwater. [Swipe Left or Right to switch from Photo to Video]

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The Settings Screen

Current Mode Icon
Icon will show what mode you are currently in.
The options will vary depending on the mode.

General Settings Button
Tap the icon to go to the General Settings.
Changes you make will reflect on all modes.

Exit to Main Screen
Tap this X icon to exit.

Current Menu Options
Depending on what mode you are in, the menu options will vary. All the options for the particular mode will show on this side, scroll down for other items.
Once set, the settings will be the same for that particular Mode everytime you go back until you change it again.

To get here, tap this.

Scroll UP for more options

Each Mode has its own set of options. Familiarize yourself with each mode and its accompanying menu.

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The Front Screen

Current Mode Icon
Icon will show what mode you are currently in. The options will vary depending on the mode.

Camera Activity Ball
The ball will appear steady when in standby mode. The ball will blink when shooting a video.

Current Time
Displays current time in digits.

Current Resolution / Frame Rate
Will display the set resolution size and the accompanying frames per second.

Elapsed Time / Shots Taken
Shows the length of time you are recording. Or the number of images that are stored.

Battery Status Indicator
Displays approximate power left on the battery. Battery blinks when almost empty.

The SJ6 LEGEND is the first SJCAM that implements a front LCD display. It gives the user additional information than just having LEDs that light up as indicators.

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- Resolution
- Loop Recording
- FOV
- WDR
- Gyro Sensor
- Audio
- Volume
- Time Stamp
- Video File Format
- Bitrate
- Double File
- Power On Record
- Sharpness
- White Balance
- Color
- EV
- Metering
- Distortion Correction

VIDEO MODE OPTIONS

RESOLUTION › Changing to a higher resolution will have more detail in your video at the expense of file size. A lower resolution has a smaller filesize but will have less details in your video. Conversely, a higher resolution will contain more detail.
Note: FPS (Frames Per Second) is part of the options in video resolution:
The higher the FPS, the more images will be displayed per second, and the smoother the movement in the video is, at the expense of filesize.

LOOP RECORDING › Auto-saves your video in small sections, depending on selected length. It will record over your oldest video once there is no more space on your memory card.

FOV › Field Of View / Field Of Vision (also known as “Focal Length”) The higher the setting, the wider the angle of the recorded scene becomes.

WDR › Automatically adjusts the range of brightness-to-darkness that the camera will record. When turned on, it will help balance your pictures by adjusting the contrasts. Many scenes do not require WDR to be activated, use according to your preference.

GYRO SENSOR › Enables active video-stabilization to eliminate shake.
3 settings available: Off, Low, and High.

AUDIO › Enable or disable recording of sound together with your video.

VOLUME › Adjusts how sensitive your camera's microphone becomes. Settings for how soft or how loud sound is recorded with your video.

TIME STAMP › When enabled, will display the date and time of your recording.

VIDEO FILE FORMAT › Choose between .MOV or .MP4.
If you are unsure which to use, choose MP4, as it is more commonly used.

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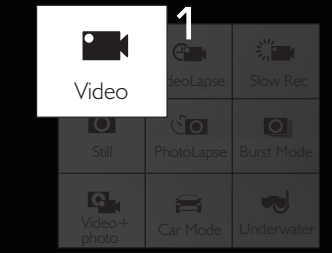
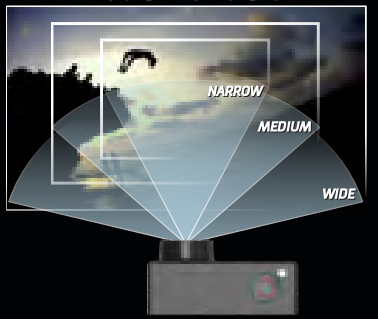


A visual explanation of Field Of View (FOV)



VIDEO MODE OPTIONS - 2

BITRATE › Changes how much information is included in each frame of video. Higher bitrates give more definition to your video at the expense of filesize.

DOUBLE FILE › While connected through the SJCAM mobile app, 2 copies of your recording/shots will be saved, one on the camera's MicroSD and one on your mobile phone's storage.

PowerON Record › Recording starts immediately when the device is powered on.

SHARPNESS › Changing the sharpness setting will make your images either crisper or smoother, adjust according to your preference.

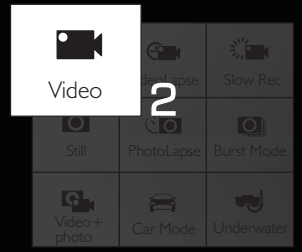
WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

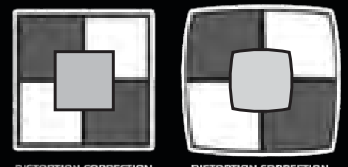
EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright, to compensate. Or higher, if it is too dark, but still depends on your desired effect.
A higher EV will take longer for a photo to be taken, and will add blur to videos as each frame takes longer to expose.

METERING › Prioritizes the brightness level of specific parts of the scene depending on the Metering Mode that is used: Average, Center Weighted, or Spot.

DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.



A visual explanation of how Distortion Correction works.



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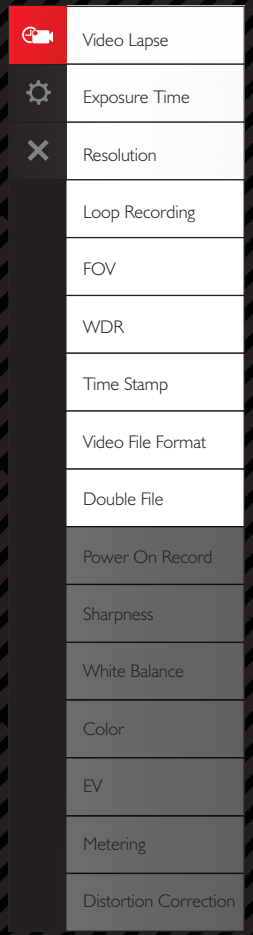
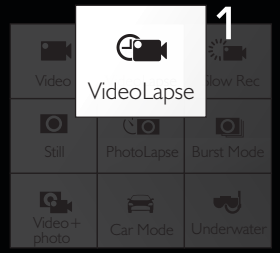


VIDEOLAPSE OPTIONS



VIDEO LAPSE › Sets the time interval between shots.

EXPOSURE TIME › Sets how long the sensor collects light through the lens.

RESOLUTION › Changing to a higher resolution will have more detail in your video at the expense of file size. A lower resolution has a smaller filesize but will have less details in your video. Conversely, a higher resolution will contain more detail.
Note: FPS (Frames Per Second) is part of the options in video resolution:
The higher the FPS, the more images will be displayed per second, and the smoother the movement in the video is, at the expense of filesize.

LOOP RECORDING › Auto-saves your video in small sections, depending on selected length. It will record over your oldest video once there is no more space on your memory card.

FOV › Field Of View / Field Of Vision (also known as “Focal Length”) The higher the setting, the wider the angle of the recorded scene becomes.

WDR › Automatically adjusts the range of brightness-to-darkness that the camera will record. When turned on, it will help balance your pictures by adjusting the contrasts. Many scenes do not require WDR to be activated, use according to your preference.

TIME STAMP › When enabled, will display the date and time of your recording.

VIDEO FILE FORMAT › Choose between .MOV or .MP4.
If you are unsure which to use, choose MP4, as it is more commonly used.

DOUBLE FILE › While connected through the SJCAM mobile app, 2 copies of your recording/shots will be saved, one on the camera's MicroSD and one on your mobile phone's storage.

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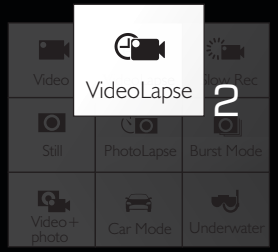
Video Lapse
Exposure Time
Resolution
Loop Recording
FOV
WDR
Time Stamp
Video File Format
Double File
Power On Record
Sharpness
White Balance
Color
EV
Metering
Distortion Correction

VIDEOLAPSE OPTIONS - 2



PowerON Record › Recording starts immediately when the device is powered on.

SHARPNESS › Changing the sharpness setting will make your images either crisper or smoother, adjust according to your preference.

WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright, to compensate. Or higher, if it is too dark, but still depends on your desired effect.
A higher EV will take longer for a photo to be taken, and will add blur to videos as each frame takes longer to expose.

METERING › Prioritizes the brightness level of specific parts of the scene depending on the Metering Mode that is used: Average, Center Weighted, or Spot.

DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.

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- Slow Motion
- Loop Recording
- FOV
- WDR
- Time Stamp
- Video File Format
- Double File
- Power On Record
- Sharpness
- White Balance
- Color
- EV
- Metering
- Distortion Correction

SLOW REC OPTIONS

SLOW MOTION › Sets the speed of the video recording.

LOOP RECORDING › Auto-saves your video in small sections, depending on selected length. It will record over your oldest video once there is no more space on your memory card.

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VIDEO FILE FORMAT › Choose between .MOV or .MP4.
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SLOW REC OPTIONS - 2

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WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright, to compensate. Or higher, if it is too dark, but still depends on your desired effect.
A higher EV will take longer for a photo to be taken, and will add blur to videos as each frame takes longer to expose.

METERING › Prioritizes the brightness level of specific parts of the scene depending on the Metering Mode that is used: Average, Center Weighted, or Spot.

DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.

Autogoods “130”

SJCAM

- Image Size
- Exposure Time
- Delay Capture
- Quality
- Sharpness
- White Balance
- Color
- ISO
- EV
- Metering
- RAW
- Gyro Sensor
- FOV
- Distortion Correction
- Time Stamp

STILL MODE OPTIONS

IMAGE SIZE › Changes the size of still photos that will be recorded. Of course, the bigger the size the more detailed your pictures are, at the expense of filesize.

EXPOSURE TIME › Sets how long the sensor collects light through the lens.

DELAY CAPTURE › Sets a delay timer to trigger the shutter at the set number of seconds.

QUALITY › Refers to how much compression the output image will have. The higher the setting the bigger the file is, and will contain more detail.

SHARPNESS › Changing the sharpness setting will make your images either crisper or smoother, adjust according to your preference.

WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

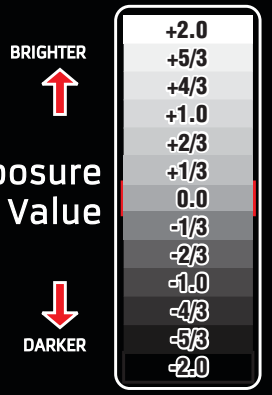
COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

ISO › Sets he image sensor's sensitivity to light. Choose “Auto” on your camera if you are not familiar with this setting. Depending on the lighting conditions, use the lowest ISO whenever possible, as higher settings will introduce more noise while pixel sensitivity also goes up. Adjust depending on your preference.

EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright, to compensate. Or higher, if it is too dark, but still depends on your desired effect.
A higher EV will take longer for a photo to be taken, and will add blur to videos as each frame takes longer to expose.

Autogoods “130”

EV works by controlling how much light is allowed in.



- Image Size
- Exposure Time
- Delay Capture
- Quality
- Sharpness
- White Balance
- Color
- ISO
- EV
- Metering
- RAW
- Gyro Sensor
- FOV
- Distortion Correction
- Time Stamp

STILL MODE OPTIONS - 2

METERING › Prioritizes the brightness level of specific parts of the scene depending on the Metering Mode that is used: Average, Center Weighted, or Spot.

RAW › When turned on, an uncompressed file separate from the JPG image will be written on the card for the purpose of editing later. Use an external photo editing software to make adjustments before saving to your intended filetype.

GYRO SENSOR › Enables active video-stabilization to eliminate shake.

FOV › Field Of View / Field Of Vision (also known as “Focal Length”) The higher the setting, the wider the angle of the recorded scene becomes.

DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.

TIME STAMP › When enabled, will display the date and time of your recording.

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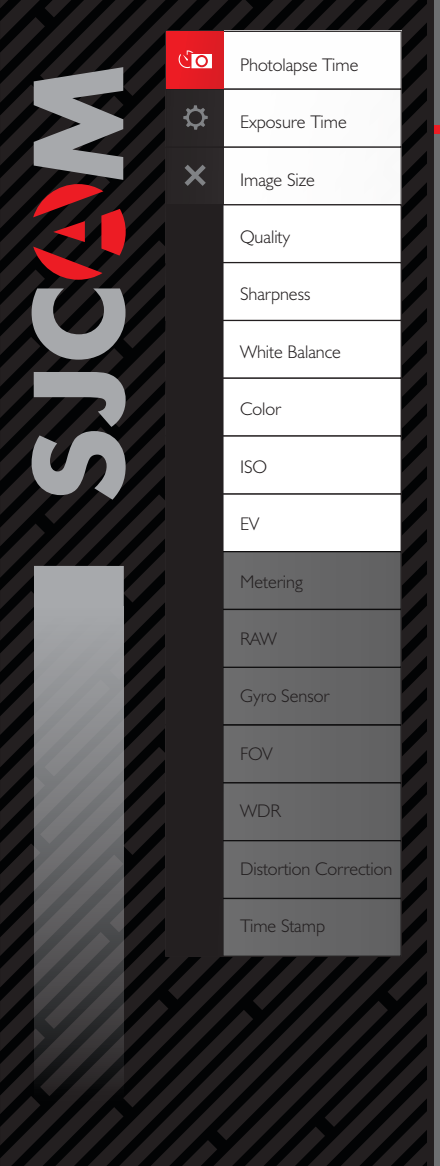
Autogoods “130”

METERING MODES

AVERAGE
Meters the whole scene’s lighting.

CENTER
Meters the middle part of the frame.

SPOT
Meters only a very small portion of the center of the scene.



PHOTOLAPSE OPTIONS

PHOTOLAPSE TIME › Sets the interval between shots.

EXPOSURE TIME › Sets how long the sensor collects light through the lens.

IMAGE SIZE › Changes the size of still photos that will be recorded. Of course, the bigger the size the more detailed your pictures are, at the expense of filesize.
Available only in Photo modes.

QUALITY › Refers to how much compression the output image will have. The higher the setting the bigger the file is, and will contain more detail.

SHARPNESS › Changing the sharpness setting will make your images either crisper or smoother, adjust according to your preference.

WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

ISO › Sets he image sensor's sensitivity to light. Choose “Auto” on your camera if you are not familiar with this setting. Depending on the lighting conditions, use the lowest ISO whenever possible, as higher settings will introduce more noise while pixel sensitivity also goes up. Adjust depending on your preference.

EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright, to compensate. Or higher, if it is too dark, but still depends on your desired effect.
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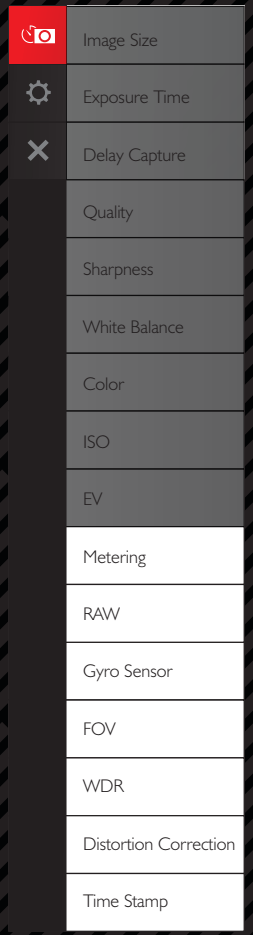
Autogoods “130”



PHOTOLAPSE OPTIONS - 2

METERING › Prioritizes the brightness level of specific parts of the scene depending on the Metering Mode that is used: Average, Center Weighted, or Spot.

RAW › When turned on, an uncompressed file separate from the JPG image will be written on the card for the purpose of editing later. Use an external photo editing software to make adjustments before saving to your intended filetype.

GYRO SENSOR › Enables active video-stabilization to eliminate shake.

FOV › Field Of View / Field Of Vision (also known as “Focal Length”) The higher the setting, the wider the angle of the recorded scene becomes.

WDR › Automatically adjusts the range of brightness-to-darkness that the camera will record. When turned on, it will help balance your pictures by adjusting the contrasts.

DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.

TIME STAMP › When enabled, will display the date and time of your recording.

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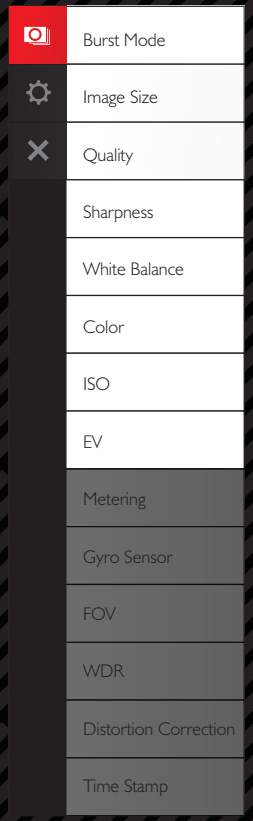
Autogoods “130”



BURST MODE OPTIONS

1

BURST MODE: Fast multiple succession of snapshots, choose the number of photos desired (Max: 10 consecutive shots).

IMAGE SIZE › Changes the size of still photos that will be recorded. Of course, the bigger the size the more detailed your pictures are, at the expense of filesize.

QUALITY › Refers to how much compression the output image will have. The higher the setting the bigger the file is, and will contain more detail.

SHARPNESS › Changing the sharpness setting will make your images either crisper or smoother, adjust according to your preference.

WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

ISO › Sets he image sensor's sensitivity to light. Choose “Auto” on your camera if you are not familiar with this setting. Depending on the lighting conditions, use the lowest ISO whenever possible, as higher settings will introduce more noise while pixel sensitivity also goes up. Adjust depending on your preference.

EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright, to compensate. Or higher, if it is too dark, but still depends on your desired effect.
A higher EV will take longer for a photo to be taken, and will add blur to videos as each frame takes longer to expose.

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BURST MODE OPTIONS - 2

METERING › Prioritizes the brightness level of specific parts of the scene depending on the Metering Mode that is used: Average, Center Weighted, or Spot.

GYRO SENSOR › Enables active video-stabilization to eliminate shake.

FOV › Field Of View / Field Of Vision (also known as “Focal Length”) The higher the setting, the wider the angle of the recorded scene becomes.

WDR › Automatically adjusts the range of brightness-to-darkness that the camera will record. When turned on, it will help balance your pictures by adjusting the contrasts.

DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.

TIME STAMP › When enabled, will display the date and time of your recording.

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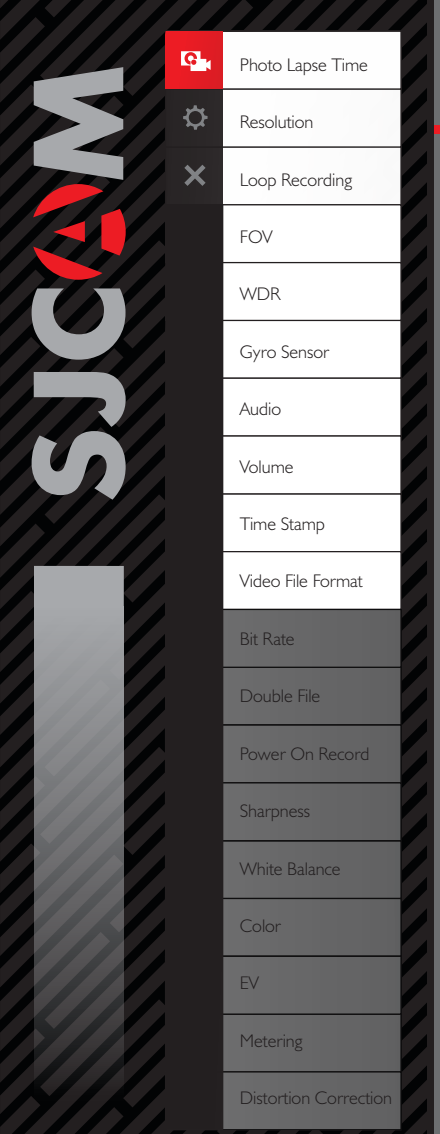


VIDEO+PHOTO OPTIONS

PHOTOLAPSE TIME › Sets the interval between shots.

RESOLUTION › Changing to a higher resolution will have more detail in your video at the expense of file size. A lower resolution has a smaller filesize but will have less details in your video. Conversely, a higher resolution will contain more detail.
Note: FPS (Frames Per Second) is part of the options in video resolution:
The higher the FPS, the more images will be displayed per second, and the smoother the movement in the video is, at the expense of filesize.

LOOP RECORDING › Auto-saves your video in small sections, depending on selected length. It will record over your oldest video once there is no more space on your memory card.

FOV › Field Of View / Field Of Vision (also known as “Focal Length”) The higher the setting, the wider the angle of the recorded scene becomes.

WDR › Automatically adjusts the range of brightness-to-darkness that the camera will record. When turned on, it will help balance your pictures by adjusting the contrasts. Many scenes do not require WDR to be activated, use according to your preference.

GYRO SENSOR › Enables active video-stabilization to eliminate shake.

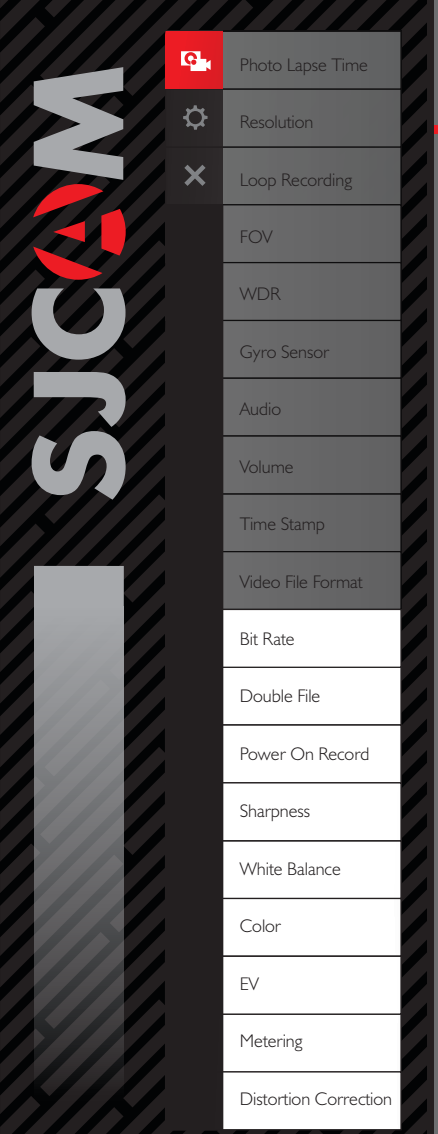
AUDIO › Enable or disable recording of sound together with your video.

VOLUME › Adjusts how sensitive your camera's microphone becomes. Settings for how soft or how loud sound is recorded with your video.

TIME STAMP › When enabled, will display the date and time of your recording.

VIDEO FILE FORMAT › Choose between .MOV or .MP4.
If you are unsure which to use, choose MP4, as it is more commonly used.

Autogoods “130”



VIDEO+PHOTO OPTIONS - 2

BITRATE › Changes how much information is included in each frame of video. Higher bitrates give more definition to your video at the expense of filesize.

DOUBLE FILE › While connected through the SJCAM mobile app, 2 copies of your recording/shots will be saved, one on the camera's MicroSD and one on your mobile phone's storage.

POWER ON RECORD › When enabled, recording starts immediately in this mode when the camera is powered on.

SHARPNESS › Changing the sharpness setting will make your images either crisper or smoother, adjust according to your preference.

WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright to compensate. You may set the EV higher if the scene is too dark, but still depends on your desired effect. A higher EV will take longer for a photo to be taken, and will add blur to videos as each frame takes longer to expose.

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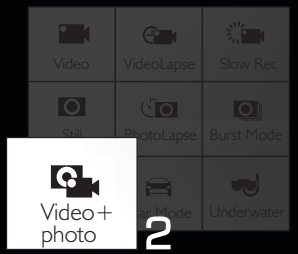
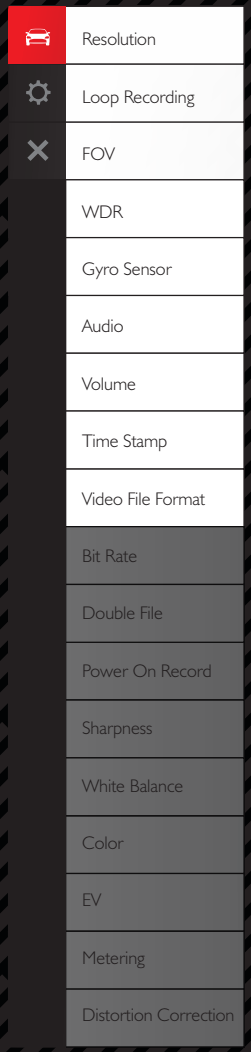
DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.



TIP: For a more stable video or photo, turn on the Gyro Sensor. You will know if it’s active when you see a blinking hand on the upper right hand of the Display.

Autogoods “130”



CAR MODE OPTIONS

RESOLUTION › Changing to a higher resolution will have more detail in your video at the expense of file size. A lower resolution has a smaller filesize but will have less details in your video. Conversely, a higher resolution will contain more detail.
Note: FPS (Frames Per Second) is part of the options in video resolution:
The higher the FPS, the more images will be displayed per second, and the smoother the movement in the video is, at the expense of filesize.

LOOP RECORDING › Auto-saves your video in small sections, depending on selected length. It will record over your oldest video once there is no more space on your memory card.

FOV › Field Of View / Field Of Vision (also known as “Focal Length”) The higher the setting, the wider the angle of the recorded scene becomes.

WDR › Automatically adjusts the range of brightness-to-darkness that the camera will record. When turned on, it will help balance your pictures by adjusting the contrasts. Many scenes do not require WDR to be activated, use according to your preference.

GYRO SENSOR › Enables active video-stabilization to eliminate shake.

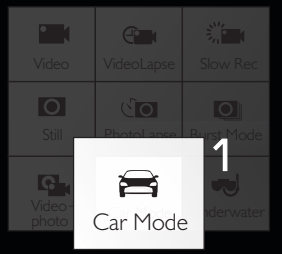
AUDIO › Enable or disable recording of sound together with your video.

VOLUME › Adjusts how sensitive your camera's microphone becomes. Settings for how soft or how loud sound is recorded with your video.

TIME STAMP › When enabled, will display the date and time of your recording.

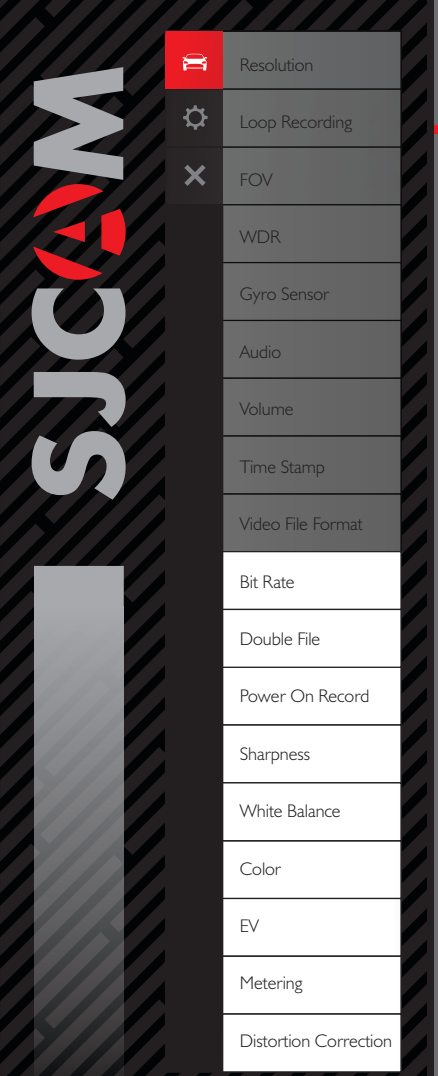
VIDEO FILE FORMAT › Choose between .MOV or .MP4.
If you are unsure which to use, choose MP4, as it is more commonly used.

Autogoods “130”



TIP: When using your camera as a dashcam, use a car charger cable and remove the internal battery to make sure it does not die out while you travel, and to avoid overcharging/ overheating the battery.

WARNING:
Operating your camera while driving a vehicle is potentially dangerous. It is strongly advised to set up your camera before your trip.



CAR MODE OPTIONS - 2

BITRATE › Changes how much information is included in each frame of video. Higher bitrates give more definition to your video at the expense of filesize.

DOUBLE FILE › While connected through the SJCAM mobile app, 2 copies of your recording/shots will be saved, one on the camera's MicroSD and one on your mobile phone's storage.

POWER ON RECORD › When enabled, recording starts immediately in this mode when the camera is powered on.

SHARPNESS › Changing the sharpness setting will make your images either crisper or smoother, adjust according to your preference.

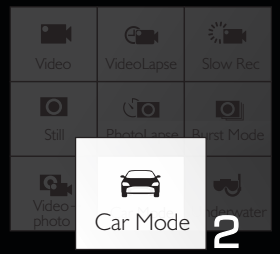
WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright to compensate. You may set the EV higher if the scene is too dark, but still depends on your desired effect. A higher EV will take longer for a photo to be taken, and will add blur to videos as each frame takes longer to expose.

METERING › Prioritizes the brightness level of specific parts of the scene depending on the Metering Mode that is used: Average, Center Weighted, or Spot.

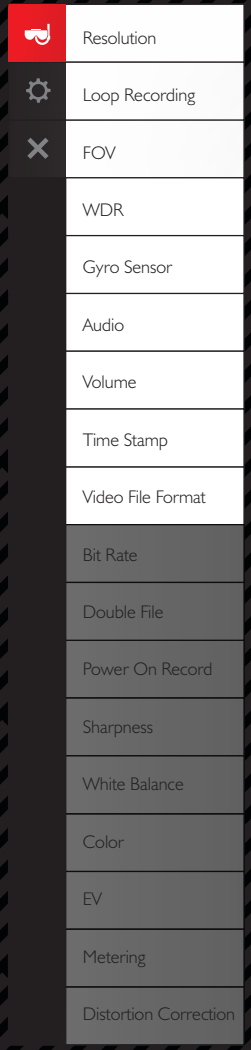
DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.



TIP: When using your camera as a dashcam, use a car charger cable and remove the internal battery to make sure it does not die out while you travel, and to avoid overcharging/ overheating the battery.

WARNING: Operating your camera while driving a vehicle is potentially dangerous. It is strongly advised to set up your camera before your trip.

Autogoods “130”



UNDERWATER MODE OPTIONS

1

RESOLUTION › Changing to a higher resolution will have more detail in your video at the expense of file size. A lower resolution has a smaller filesize but will have less details in your video. Conversely, a higher resolution will contain more detail.
Note: FPS (Frames Per Second) is part of the options in video resolution:
The higher the FPS, the more images will be displayed per second, and the smoother the movement in the video is, at the expense of filesize.

LOOP RECORDING › Auto-saves your video in small sections, depending on selected length. It will record over your oldest video once there is no more space on your memory card.

FOV › Field Of View / Field Of Vision (also known as “Focal Length”) The higher the setting, the wider the angle of the recorded scene becomes.

WDR › Automatically adjusts the range of brightness-to-darkness that the camera will record. When turned on, it will help balance your pictures by adjusting the contrasts. Many scenes do not require WDR to be activated, use according to your preference.

GYRO SENSOR › Enables active video-stabilization to eliminate shake.

AUDIO › Enable or disable recording of sound together with your video.

VOLUME › Adjusts how sensitive your camera's microphone becomes. Settings for how soft or how loud sound is recorded with your video.

TIME STAMP › When enabled, will display the date and time of your recording.

VIDEO FILE FORMAT › Choose between .MOV or .MP4.
If you are unsure which to use, choose MP4, as it is more commonly used.

Autogoods “130”

Resolution
Loop Recording
FOV
WDR
Gyro Sensor
Audio
Volume
Time Stamp
Video File Format
Bit Rate
Double File
Power On Record
Sharpness
White Balance
Color
EV
Metering
Distortion Correction

UNDERWATER MODE OPTIONS - 2

BITRATE › Changes how much information is included in each frame of video. Higher bitrates give more definition to your video at the expense of filesize.

DOUBLE FILE › While connected through the SJCAM mobile app, 2 copies of your recording/shots will be saved, one on the camera's MicroSD and one on your mobile phone's storage.

POWER ON RECORD › When enabled, recording starts immediately in this mode when the camera is powered on.

SHARPNESS › Changing the sharpness setting will make your images either crisper or smoother, adjust according to your preference.

WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

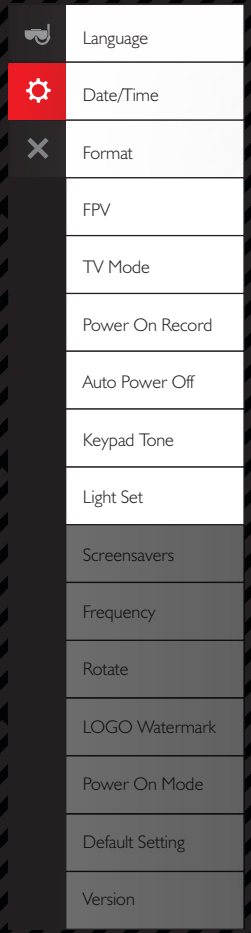
COLOR › You are given 5 preset choices: Normal, B&W (Black and White), Retro (aka: “Sepia tone”), Warm (slight reddish hue), and Cool (slight bluish hue).

EV › Exposure Value - Changing EV compensates for the amount of light that is allowed in. You can change this value to a lower setting if the scene is too bright to compensate. You may set the EV higher if the scene is too dark, but still depends on your desired effect. A higher EV will take longer for a photo to be taken, and will add blur to videos as each frame takes longer to expose.

METERING › Prioritizes the brightness level of specific parts of the scene depending on the Metering Mode that is used: Average, Center Weighted, or Spot.

DISTORTION CORRECTION › Since the lens of your action camera has a very wide FOV (Field of View), your camera will try to fit everything in, and will result in the center appearing to be distorted or bulging.

Autogoods “130”



GENERAL SETTINGS

LANGUAGE › Options for system language.

DATE/TIME › Make adjustments to the camera's system date and time.

FORMAT › Completely erases everything on the memory card then sets it up as a new drive (in FAT32 filing system).

FPV › Enables live real-time analog video to be fed through the USB out (Requires AV-out cable).

TV MODE › Options are NTSC or PAL. The color encoding and Framerate for video recording. Users in the US and Asia use NTSC (60Hz), most other countries use PAL (50Hz) and is the camera's default. Please check what you use in your country.

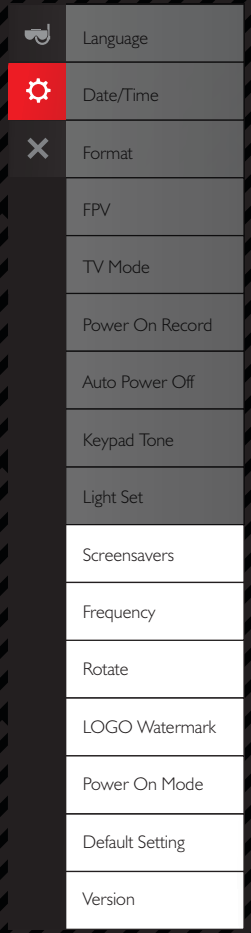
POWER ON RECORD › Recording starts immediately when the device is powered on.

AUTOPOWER OFF › Automatically turns the camera off at a preset time. Works only if the camera is on standby and not recording.

KEYPAD TONE › Beep sound when navigating and selecting items on camera. Best for outdoor use.

LIGHTSET › To change the number of LED status-indicator lights that are active.

Autogoods “130”



GENERAL SETTINGS

SCREENSAVERS › Options for how long the LCD display stays on.

FREQUENCY › For adjusting the framerate frequency (50Hz or 60Hz).
May be used to counter flicker-effects of fluorescent lamps or
jello-effect of fast moving objects.

ROTATE › Flips the recording 180-degrees.
Turn this on when mounting the camera in an upside-down position.

LOGO WATERMARK ›Adds the SJCAM logo at the bottom of your recording.

POWER ON MODE › When set, the camera will automatically start in the selected mode, and ready for shutter or recording start command.

DEFAULT SETTING › Restores the camera unit to its current firmware defaults.

VERSION › Display current firmware version and version date.
Latest version is capable of being automatically updated using the SJCAM Zone app.

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Autogoods “130”

FILE MANAGEMENT

You can transfer files from your camera by using any of these 4 methods.

1. **Via USB cable connected from your camera's miniUSB slot to a Windows or Mac computer:**
   a› Connect the USB cable, choose “Mass Storage Device” on your camera.
   b› Your device will show as a drive on your File Manager (Explorer on Windows; Finder in OSX)
2. **Via WIFI through the SJCAM Zone App:**
   a› Connect your camera to your phone: **Device Settings>Wifi>Choose your camera**
   b› Go to the app, tap the Gallery icon, then download the files you wish to transfer by tapping the Down arrow icon next to each file
3. **By using a microSD card adaptor:**
   a› Power off your camera and remove the microSD card.
   b› Insert it to a card adaptor and plug it to your computer.
   c› Your card will show as a drive on your File Manager.
   d› When you're done transferring files, right-click the drive > choose “Eject” before removing the card from your computer.
4. **By transferring the microSD card to your smartphone with removable storage:**
   a› Power off your camera and remove the microSD card;
   b› Insert the microSD to your mobile device;
   your microSD card will show up as a drive on your mobile device's file manager;
   c› Transfer the files you choose to your mobile device;
   d› When you're done, “eject” the microSD card by choosing “Unmount”

Optional: Format the microSD card on your camera to remove files added by your mobile device.

Via USB

Via WiFi

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Included Accessories

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More accessories available on the sjcamhd.com website, sold separately.

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Available on the App Store

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All graphics, words, and layout by Troy Ferrer 2016 troy@sjcamhd.com