Wi Fi

SJC⒜M ®

SJ5000X

HD DV
2.0" LCD Screen

12 MP

2K
30 FPS

User's Manual

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

SJCAM®

Congratulations on your new SJCAM Action Camera!

We know you're excited to use the SJ5000X, please take time to read this Manual before doing anything with it. There's plenty you can do, so you need to familiarize yourself with the features now to get the most out of it.
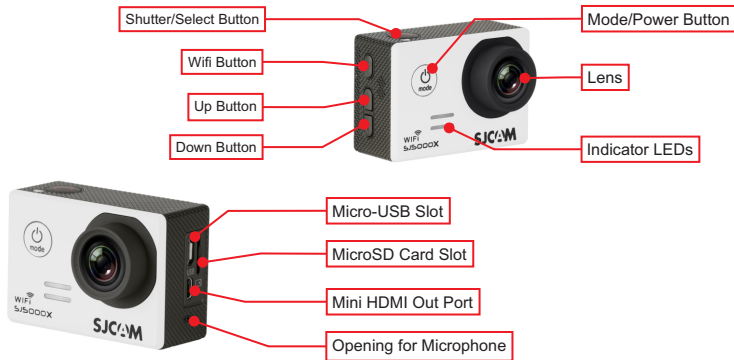
It is important to keep your camera's firmware up to date.
Go to **www://sjcamhd.com/firmware/** to download the firmware files and read through the latest performance improvements and feature updates.

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 to avoid accidents.
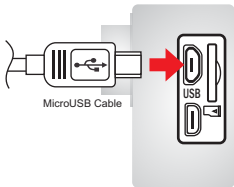
PARTS OF YOUR CAMERA

Shutter/Select Button

Mode/Power Button

Wifi Button

Lens

Up Button

Down Button

Indicator LEDs

Micro-USB Slot

MicroSD Card Slot

Mini HDMI Out Port

Opening for Microphone

Removing the camera from the Waterproof Case

Clasp Release

Remove the camera from the waterproof case by sliding the lock on top (**1**), then lifting the clasp by following the steps shown above (**2** & **3**).
When the backdoor is free, pull the camera out of the waterproof case.

Charging your camera using the MicroUSB cable.

MicroUSB Cable

USB

Plug the MicroUSB 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.

Charging your battery using an optional external charger.

Optionally, 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, then plug it to the External Battery Charger Accessory (sold separately).

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Powering ON/OFF your SJ5000X

Press 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. Default Mode is Video.
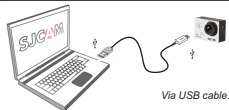To turn off your camera, long-press the Power/Mode button.

Inserting / Removing Memory Cards

Class 10 or higher MicroSD card.

Insert a MicroSD card as shown in the illustration above, with the label facing the LCD screen, 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 off.

Transferring Data From Your Camera to a Computer.

Via USB cable.

Via WiFi

Transfer your data by plugging your camera to a computer via USB cable. Select "Mass Storage" then your camera will show as a drive.
Or, transfer data via the app. Turn on WiFi and pair it to your smartphone (Android or iOS), then tap "Connect Your Camera" on the app.

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ICONS MENU - Screen 1

SJ5000X		
Video / Photo	VideoLapse	Slow Rec
PhotoLapse	Burst Mode	Long Exposure

VIDEO/PHOTO: Mode to start taking videos or still photos.

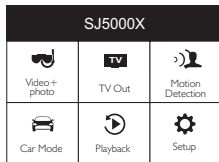**VIDEOLAPSE:** For time-lapse recorded as a video.

SLOW REC: For recording video in slow motion.

PHOTOLAPSE: Timelapse, with each frame its own picture file.

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

LONG EXPOSURE: Records a snapshot for long periods to allow more light in through the lens.

ICONS MENU - Screen 2

SJ5000X		
📹 Video+ photo	📺 TV Out	📱 Motion Detection
🚗 Car Mode	⏵ Playback	⚙ Setup

UNDERWATER: Adds missing colors when diving at depths.

TV-OUT: Enables viewing the screen contents on a TV via HDMI connection.

MOTION DETECTION: Starts recording when motion is sensed in front of the camera.
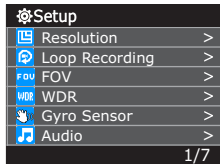
CAR MODE: Automatically starts the camera and begins recording once the engine is started (Car Charger Cable Accessory is required).

PLAYBACK: For reviewing recorded videos and photos.

SETUP: For changing camera settings.

Note: Screen arrangement and feature availability may vary depending on firmware version.

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⚙ **Setup**
🔲 Resolution	>
📷 Loop Recording	>
FOV FOV	>
WDR WDR	>
📷 Gyro Sensor	>
🎵 Audio	>
	1/7

TIP: Use the **Up / Down** buttons to navigate through the menu. Use the **Shutter** button to select an item.

To exit an item in the Setup menu, or to get back to the main Icons, press the **Mode** button once.

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. Available only in Video modes.
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.
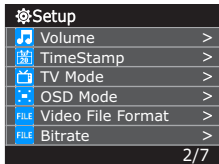
FOV › Field Of View / Field Of Vision (also known as "Focal Length") – The higher the setting, the wider the angle of the recorded scene becomes.

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. Available only in Photo modes.

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

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

Note: Screen arrangement and feature availability may vary depending on firmware version.

⚙ **Setup**

🎵	Volume	>
📅	TimeStamp	>
📺	TV Mode	>
▣	OSD Mode	>
FILE	Video File Format	>
FILE	Bitrate	>

2/7

TIP: Pressing the Mode button once while recording a video will take a quick snapshot. Try it!

TIP: Save power consumption by using a shorter Screensaver setting. You'll get as much as 20 more minutes of recording time.

<u>VOLUME</u> › Adjusts how soft or how loud sound is recorded with your video.

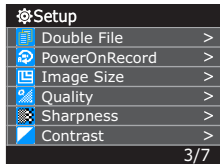<u>TIME STAMP</u> › When enabled, will display the date and time of your recording.

<u>TV MODE</u> › Options are NTSC or PAL. The color encoding and Framerate for video recording. Users in the US use NTSC, default is PAL.

<u>OSD MODE</u> › On-Screen Display. When enabled, information and icons will be displayed on the screen indicating what features are activated, current mode, recording, elapsed time, number of photos left, battery status, etc.

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

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

⚙Setup
📘 Double File	>
🔄 PowerOnRecord	>
🔢 Image Size	>
🎚 Quality	>
🔲 Sharpness	>
🔷 Contrast	>
	3/7

TIP: Pressing the Up button while recording or framing a scene will initiate the zoom function. Use the Up/Down buttons to adjust zoom level.
NOTE: There are 8 zoom levels. To use the zoom function, FOV must be turned OFF.

<u>DOUBLE FILE</u> › 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.

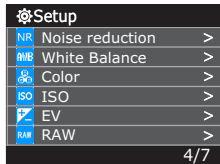<u>PowerON Record</u> › Recording starts immediately when the device is powered on.

<u>Image Size</u> › 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.

<u>Quality</u> › Refers to how much compression the output image will be. The higher the setting the bigger the file is, but will contain more detail.

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

<u>CONTRAST</u> › Change the strength of brights and darks of an image. Options are high and low.

⚙Setup
NR Noise reduction >
WB White Balance >
🎨 Color >
ISO ISO >
EV EV >
RAW RAW >
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TIP: Long exposure for dark nighttime shots gain more detail when the Exposure Value is raised.
Just don't forget to reset your EV after the shot or your next pictures will be too bright and over-exposed.

NOISE REDUCTION › Decreases the amount of visual noise by removing the graininess in the image or video, but may result in some loss of detail.

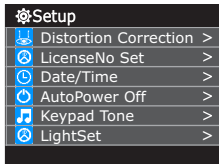WHITE BALANCE › Adjusts the color temperature of the snapshot/recording to compensate for ambient lighting.

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 › The 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. 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.

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. Available only in Photo mode.

Note: Screen arrangement and feature availability may vary depending on firmware version.

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⚙**Setup**
- ⚙ Distortion Correction >
- ⏱ LicenseNo Set >
- ⏰ Date/Time >
- ⏱ AutoPower Off >
- 🎵 Keypad Tone >
- ⏱ LightSet >

TIP: Status lights are easy to read. The front blue status-indicator will blink when recording video, steady when on standby.

Amber light will blink once when the Wifi is connected to a device. Amber light will quick-flash twice when it is not connected.

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. Turning on Distortion Correction will force the image to make it appear "flatter" as compared to having a "fisheye effect".

LICENSE NO SET › Displays your preset License Number at the bottom of your video. Use when your camera is mounted as a dashcam.
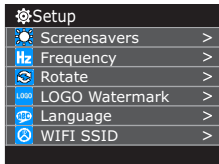
DATE/TIME › Make adjustments to the camera's system date and time.

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.

LIGHTSET › To change the number of LED status-indicator lights that are active. 3 is to activate Front, Top, Back indicators, 2 is for Top and Back, 1 is for Back only. Off turns off all status-indicator lights.

⚙ Setup
☀ Screensavers >
Hz Frequency >
🔄 Rotate >
LOGO LOGO Watermark >
🌐 Language >
WIFI SSID >

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.

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

SCREENSAVERS › Options for the duration to save Screen-On time.

FREQUENCY › For adjusting the framerate frequency to counter the flicker-effect caused by TV systems with different refresh rates (PAL/NTSC).
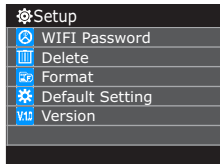
ROTATE › Flips recording 180-degrees, use when mounting the camera in an upside-down position.

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

LANGUAGE › Options for system language.

WIFI SSID › For changing the WiFi name of your camera. Default is 12345678, you can change this to anything anytime you wish.

Note: Screen arrangement and feature availability may vary depending on firmware version.

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Setup
- WIFI Password
- Delete
- Format
- Default Setting
- Version

TIP: Sometimes new features are rolled out in firmware updates, adding more value to your camera!

WIFI PASSWORD › For changing your camera's WiFi password.

DELETE › Erases currently selected item, or all photos and videos.

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

DEFAULT SETTING ›Restores the camera unit to its factory setting including WiFi Password. Does not erase any data on the memory card.

VERSION ›Firmware update version. Please check **www.support.sjcamhd.com** regularly for newer versions for your camera model.

Included Accessories

Get the app.

Available on the
App Store

SJCAM
ZONE

GET IT ON
Google play

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