

The S20 USER MANUAL

Body Worn Camera



About this Guide

The content in this document is for information purpose and is subject to change without prior notice. We have made every effort to ensure that this User Guide is accurate and complete.

However, no liability is assumed for any errors or omissions that may have occurred.

The manufacturer reserves the right to change the technical specification and accessories without prior notice.

Caution

Do not expose battery being placed in high temperature environment. If battery leaks or bulges, stop to use.

Risk of explosion if battery is placed by an incorrect type.

Dispose of used batteries according to the instructions.

Never replace the battery on your own. Doing so may cause the damage or explosion. Please have the dealer do it for you.

Do not put the LCD screen or lens under the sunshine.

Note

A specific emission frequency may influence the image quality.

Please try a few times of video-taking test before you formally use this product in order to be familiar with this product.

Always full charge the battery before use.

Never dismantle, crush, or pierce the product, or allow the product to short-circuit. Please persuade for professional assistance if the product doesn't work properly.

Before you start using this product, it is assumed that you agree to the above statement.

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This camera is new generation video recorder of High Efficiency video coding (HEVC, H.265) and low power consumption. If you record videos by using H.265 coding format, it is suggested to download Media Player Codec Pack (check below link) to assist to play back H.265 videos on windows Media Player.

<https://www.mediaplayercodecpack.com/>

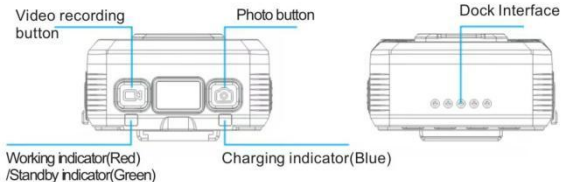
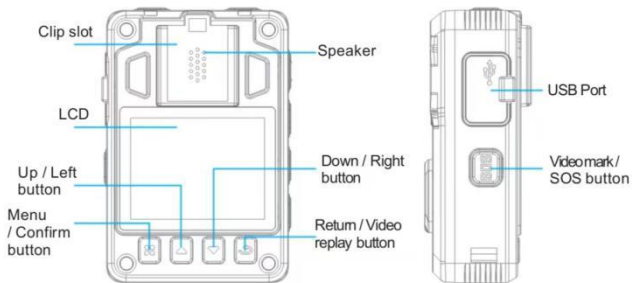
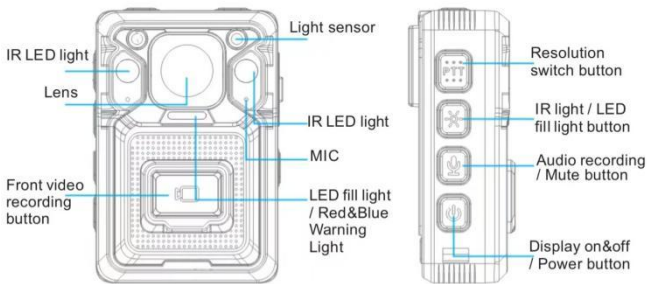
1. Introduction

Thank you for purchasing this product. This camera is specially designed for video recording, audio recording and photo shooting. Please read the user manual before you start to use it.

2. Box contents

- Body Camera
- Charging Dock
- USB Cable
- Wall Charger
- Epaulet Clip
- Rotatable Crocodile Clip
- User Manual

3. Product Overview

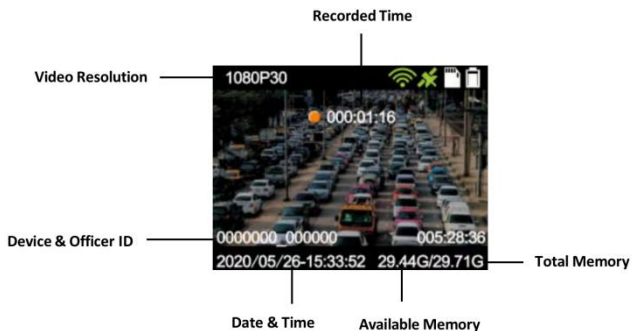


Item	Description
Light sensor	Detect changes of light and turn on/off IR for low-light recording automatically (auto-IR mode)
IR LED light	Provide infrared light compensation in low light conditions, to help camera record good quality video with clear face view up to 10 meters
Lens	Capture images
MIC	Pick up voice for audio/video recording
LED fill light	Press LED fill light button to turn on/off white flashlight, just in case you need extra light.
Front video recording button	a) In power-on mode, short press to start/stop recording b) In power-off button, hold for 3 seconds to power on camera and execute video recording function.
IR / LED fill light button	a) Short press to turn IR LED on/off when IR mode is manual b) Hold for 3 seconds to turn on/off LED fill light
Display on&off / Power button	a) Hold 3 seconds to power on/off camera b) In power-on mode, short press to turn on/off LCD .
Speaker	Make the sound of indication or playback
LCD	LCD screen for reviewing and menu setting viewing
Menu / Confirm Button	a) In standby mode, short press to enter menu set-up b) In menu set-up, short press to confirm a selection

<p>Up / Left Button</p>	<p>a) In Menu or Playback mode, short press to scroll up next page or file b) In standby or video recording mode, hold to zoom out c) In playback mode, press to rewind video</p>
<p>Down / Right Button</p>	<p>a) In Menu or Playback mode, short press to scroll down next page or file c) In standby or video recording mode, hold to zoom in d) In playback mode, press to fast forward video</p>
<p>Return/ Video Replay Button</p>	<p>a) short press to exit to previous interface when navigating setting or playing back files b) In standby mode, short press to enter video replay mode</p>
<p>USB Port</p>	<p>USB port is for power charging or data transmission.</p>
<p>Video mark / SOS button</p>	<p>Press to mark recorded files as importance during audio/video recording, press and hold for SOS Led light.</p>
<p>Top Video Recording Button</p>	<p>a) In power-on mode, short press to start/stop recording. b) In power-off button, hold for 3 seconds to power on camera and execute video recording function.</p>
<p>Photo Button</p>	<p>a) Press to take photo in standby mode. b) Press to take a snapshot while camera is in video recording mode.</p>

Status Indicator LED	Still Green: camera is in standby mode (Power on but not recording) Still Red: camera is on recording mode Flashing Yellow : camera is recording audio only
Charging Indicator LED	Blue: Charging Status Off: Camera is fully charged
Dock Interface	Connection port to charging dock

LCD Interface:



4. Main Menu Optional Detail

To enter the setting menu:

1. Press Menu button and then enter the password.
2. Enter the password by the following commands:
 - Press Up & Down button to locate target letter or number.
 - Press Confirm button to confirm and move to the next character

PS: The default password is 000000.

3. After selecting the last character, press Confirm button to enter the setting menu.

To navigate the settings menu:

- Press Up & Down button to select previous or next setting or option.
- Press Confirm button to confirm your selection or enter the sub-menu.
- Press Return button to return to the previous menu.

Video Setting

Setting	Description	Options
Resolution	The video resolution	2560×1440 30P 2688×1512 30P 1920×1080 60P 1920×1080 30P 1280×720 60P 1280×720 30P 848×480 30P
Video Quality	The quality of the video.	S. Fine, Fine, Normal
Photo Size	The photo resolution	4M, 8M, 12M, 16M, 30M, 40M
Selfie	The time camera waits until taking a photo after you press Snapshot button.	Off, 3 sec, 5 sec, 10 sec

Timelapse	Time duration to take a snapshot	Off, 1/2 sec, 1 sec, 3 Sec, 5 sec, 10 sec
Burst Mode	The number of images captured in a row when you take a photo.	Off, 2pcs, 3pcs, 5pcs, 10pcs, 15pcs, 20pcs, 30pcs
H.265 Encoding	HEVC Video Encoding	Off, On
Pre Record	When on, a certain time (depend on video resolution) will be combined into the recorded video before record button is pressed to start recording; When off, video start until the Record button is pressed to start recording.	Off, On
Loop Record	When on, camera will overwrite the oldest video file with the most current video file once its memory is full.	Off, On
Post Record	The amount of the time the camera waits to stop recording video after you press the Record button.	Off, 5 sec, 10 sec, 20 sec, 30 sec, 60 sec, 120 sec
Power On Auto-Record	When on, camera will start video recording once it powers on. When off, camera enters standby mode, not record video when powers on.	Off, On
Video Length	While recording video, the camera will automatically split its recording into files of this length.	Off (30 min), 2 min, 15 min, 30 min,

Mute Recording	Mute the recorded video	Off, Only Pre-Record, On
Record Notification	You will hear voice and vibration notification in certain period of time during video recording.	Off, 5 sec, 10 sec, 15 sec, 30 sec, 60 sec
Motion Detect	When on, camera will start recording when front movement is detected by the lens.	Off, On

Setup Setting



Language Setting	The language of the text in camera interface	English, 简体中文, Русский, Francais, Espanol, Dutch, Greek, Portuguese, Italian, German, Ting vit nam, Romanian, Danish, Finish, Ukrainian
GPS	When GPS is on, position of coordinates will show on the video footage. Then you put the coordinates into Google earth, that giving you the exact positioning of the footage recorded.	Off, On
Time Zone	Adopt local time in real time zone	-12 to +12 Default 0
Vibration	Vibration notification of operation or status	On, Off


IR Filter	When set to manual, you will need to hold Snapshot button to turn IR LED on/off. When set to Auto, these lights will activate automatically based on the light sensor's reading.	Off, Manual, Auto, Recording Auto
Auto Power Off	The amount of the time the camera can be idle before powering off.	Off, 30 sec, 1 min, 3 min, 5 min, 10 min, 30 min
LCD Auto Off	The amount of the time the camera can be idle before deactivating the display to conserve power.	Off, 10 sec, 30 sec, 1 min, 3 min, 5 min
Key Tone	When on, camera will play a tone each time you press a button. When off, tone is disabled.	On, Off
Volume	The volume of camera speaker. This affects the loudness of video playback, audio playback, the key tone, record warning, and any other sounds played by camera. This doesn't affect the volume of the recorded video or audio files themselves.	0-10 Default 6
Audio Prompt	Audio indicator of operation	Off, Beep, Speech
LED Light	The switch of LED light indicator	On, Off
Dash Camera Mode	When on, camera will power up automatically and start video recording when it is charged. Camera will power off as it normally does when it is disconnected from the power source.	Off, On

Date Format	Date format of day, month and year	DD-MM-YYYY, MM-DD-YYYY, YYYY_MM_DD
Stealth Mode	When on, voice and LED indicator will be off.	Off, On
Enhanced Standby	Super low power consumption standby mode	Off, On
Password Mode	If password is on, user needs to enter password to get access to setting and connection to PC	On, Off
Change Password	Password can be set or changed	Alphanumeric characters
Change Device ID	Set Device ID	Alphanumeric characters
Change User ID	Set User ID	Alphanumeric characters
Time Setup	Adjust time to real location	Number
Default setting	Use this to return camera to its original settings. This does not erase the memory	O (Yes), X (No)



Operation

5.1 Power on/off

hold Power button  for 3 seconds to start up and enter standby mode; at any mode with holding Power button  for 3 seconds, camera will shut down.


PS: at standby / video recording / audio recording mode, short press power button , LCD display can be on/off.

5.2 Audio recording



In standby mode, press audio Recording Button  for audio recording. Camera will beep, and vibrate once and LED indicator on the top turns yellow and flashes. Press again audio Recording Button  to stop audio recording (camera vibrates twice) and save the file.

In audio recording mode, short press Tag button to remark the file as an important file, the yellow star icon will appear at the right side on screen.


5.3 Photo shooting

At standby mode, press photo button  to take photos.


5.4 Video recording

In standby mode, press front or top video Recording Button  to start video recording. Camera will beep, and vibrate once and LED indicator on the top turns red and flashes. Press again video Recording Button  to stop video recording (camera vibrates twice) and save the file.


In video recording mode, short press Tag button to remark the file as an important file, the yellow star icon will appear at the right side on screen.

PS: while video is being recorded, press SOS button to mark the video as important file. There will be a  icon showing on the LCD screen.

5.5 One-button video recording

At power-off mode, hold video Recording Button  for three seconds for powering on the camera and start video recording immediately.

5.6 PIV (picture in video)

In video recording mode, press photo button  to capture photo.

5.7 Zoom

In standby or video recording mode, hold Scroll Up button and scroll down button to zoom in and out the image.

5.8 IR night vision

Under dark circumstances, infrared LED will help to record clear image or video.

In standby mode, PRESS Menu button to navigate. Find option **【IR Filter】** , PRESS Confirm button to enter sub-menu: Off, Manual, Auto, Recording Auto. Press Confirm button to select.

Manual: Press IR Light Button to turn on/off infrared LED.

Auto: Infrared LED will be turned on / off automatically according to the environment light condition. When environment light condition is dark, infrared LED will be turned on automatically; When environment light condition is bright, infrared LED will be turned off automatically.

Recording Auto: Only during video recording, infrared LED will be turned on / off automatically according to the environment light condition.

5.9 LED Fill Light

In standby or video recording mode, hold LED fill light button for 3 seconds to turn on/off LED fill flashlight.

5.10 Playback

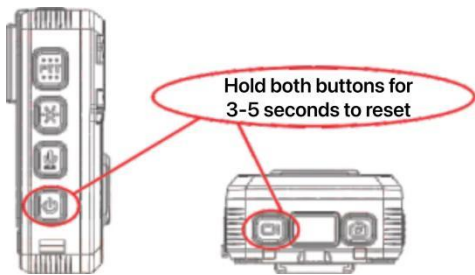
In standby mode, press Return button to enter playback mode. There are Video, Photo, and Audio options. Press Up&Down button to select, and press Confirm button to confirm the selection.

1) In video file playback mode, PRESS Confirm button to pause/resume playback; PRESS scroll-Up button to rewind, PRESS Scroll-down button to fast forward, then PRESS Confirm button to play normally. You can fast forward or rewind 2x, 4x, 8x, 16x, 32x, 64x.

2) In photo file playback mode, hold up and down button to zoom in and out the image. Adjustable is X1.0~X10.0. In the zoom in and out image, short press up and down button to move the image to right or left side.

5.11 Reset

In any case the camera is frozen, Hold both Power Button and Video Recording Button on the top for 3 seconds to reset the camera.



5.12 Device ID/ User ID

In standby mode, PRESS Menu button to enter settings. Find [Change Device ID] and [Change User ID], PRESS Confirm button to select, then the Device & Person ID interface will show up, 6 characters for device ID and 6 characters for User ID. PRESS Up button or Down button to choose a character, then PRESS Confirm button to select.

5.13 Time Setting

In standby mode, PRESS Menu button to enter settings. Find Time Setup, for example, 2008/02/02 07:40. PRESS Confirm button, then users can change the date and time.

Press Up button or Down button to choose a character, then Hold Up or Down button to go to previous or next parameter. Then press confirm button to save time setup.

5.14 USB Driver video/picture/audio files can only be deleted on your PC/laptop.

After being connected to PC, password interface shows up, please enter the password(default password is 000000)Press the Confirm button 6 times, the camera will be recognized by the computer as Extra drive. User can go to camera folder and delete those files not needed.

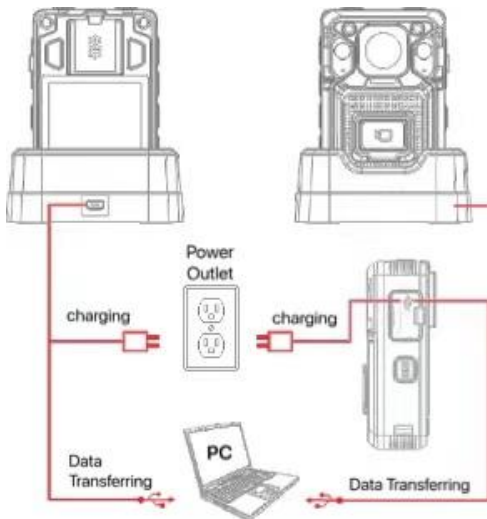
5.15 Charging

When camera batter is low, the battery icon will flash in the display, and you will hear a alert tone. When this happens, charge the camera.

Please charge camera via USB cable and wall charger provided. The battery used in camera is Polymer Lithium type. When camera is fully charged, blue charging indicator will turn off.

Charging methods:

- 1). Use a USB cable to connect camera's USB port to an USB port on your computer (powered on) or the included USB power adapter (connect to a power outlet)
- 2). Attach camera to charging dock . Use a USB cable to connect the charging dock to an USB port on your computer (powered on) or the included USB power adapter (connect to a power outlet).



Important Information: CamManager software will only work with windows PC not Mac.

Attention -

Please charge camera fully after camera is left without working for long time.
FOR CUSTOMER SERVICE ENQUIRIES PLEASE CONTACT
customerservice@guardiang1.co.uk and www.guardiang1.co.uk.
ATTACHMENTS CAN BE PURCHASED THROUGH OUR WEBSITE.