THE GUARDIAN G1

USER MANUAL

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

https://www.mediaplayercodecpack.com/

For technical Support please contact us at

customerservice@guardiang1.co.uk **anytime.**

1. Introduction

Product Overview

The Guardian G1 is a top of range Body camera with a rugged design, which provides law enforcement(POLICE), security and emergency services & can be used as an action camera for sports activities with super Full HD 1512p video recording capabilities, and with one-button recording and activation. The G1 has a ultra-wide 140° field-of-view lens captures everything that's in front of you while maintaining a High Definition resolution. Featuring a 128GB internal memory, pre-record buffering, VIP tagging, and integrated Infrared LEDS for night vision, The G1 is equipped to perform in any conditions because it having a weather body.

With full featured and adaptable operation, the G1 can record video and audio simultaneously, or audio only for suspect interrogations and victim/witness statements. The G1 is fully configurable and offers multiple recording qualities, super full HD 1512p video down to 480p resolution, giving users the options to adjust the recording quality according to their storage capabilities.

The G1 can also take up to 20 high-resolution snapshots, which, together with video, can be viewed on backlit, 2 inch LCD color screen & your PC/Laptop using a USB connector. Security protocols (password)on the device are a sure way to prevent accidental deletion of evidence or modification of system settings. Video footage is also digitally watermarked with the user ID, time and date, ensuring the authenticity of collected video of the event. The internal GPS receiver provides automatic location tagging of video- and still-captures, offering irrefutable substantiation of where and when the audio and video were recorded.

Box contents

- G1 Body Camera
- Charging Dock
- USB Cable
- USB Adaptor
- Chest Harness
- Shoulder harness
- 360 Degree Rotatable Clip
- User Manual
- Shoulder Clip

[IMPORTANT INFORMATION]

PLEASE NOTE THE ATTACHMENTS ROTATE. When using the chest harness and attachments the G1 will rotate to the Vertical position, just turn it.

Also enter the menu settings please press the (M) button then enter the factory password by pressing the (OK) button 6 times, this password can be changed in the settings.

A Quick press of the power button is the back button in the settings.

If your camera is showing memory full when you have deleted footage you just need to format it, on PC right click on camera driver select format, on Mac Go to disk utility and choose EX FAT and erase. (WARNING ONLY USE CHARGING EQUIPMENT PROVIDED).

We have a YouTube channel at Guardiang1 showing the user settings and many other features about our products.

2. Technical Specifications

Camera	
Sensor	5MP CMOS
Wide Angle	140 degree wide angle lens
Video	
Video Resolution	2688x1512 30p /2560x1440 30p /2304x1296 30p / 1920x1080 30p / 1280x720 30p/ 848x480 30p
Video Compression	H.264/H.265
Audio	High Quality Build-in Microphone
Audio Format	WAV
Watermark	User ID, Time and Date
Pre-record	Support
Password protection	Administrator password to prevent video deletion
Video Section	1min/3min/5min/10min/15min/20min/30min/45min
Snap Shot	
Image	Max 32 Megapixels
Image Format	JPEG
Burst	2/3/5/6/8/10/15/20 Snap Shots
Video/Image Review	
LCD Screen	2.0in TFT-LCD High-Resolution Color Display
Audio Playback	Yes
Video Output	Not support
Video Transfer	USB 2.0
General	
GPS location	Support
IR LED	4

IR LED switch	Auto/manual
IR Distance	10 Meters
One Button Recording	Support One Button Record
Motion detection	Auto/manual
Built-in Storage	128GB
Working Temperature	-40～60 degrees Celsius
Storage temperature	-20～55 degrees Celsius
Dimension	94 *60 *31 mm
Weight	172g
Standard Accessories	Charging dock, USB cable, Adapter, User Manual, Universal metal 360 Degree Rotatable Clip, Shoulder Clip

3. Features

CAMERA LENS

LIGHT SENSOR

INFRARED LED

INFRARED LED

INFRARED LED

INFRARED LED

WARNING
VIDEO / AUDIO
RECORDING

FLASHLIGHT

SPEAKER

2 INCH LCD SCREEN

PLAY & UP KEY

MENU & DOWN KEY

CONFIRM

LEFT SIDE

USB PORT

RIGHT SIDE

ADD IMPORTANT FILE

ONE PRESS AUDIO RECORDING & CHANGE RESOLUTOIN

ONE PRESS PHOTO SHOT

ONE PRESS VIDEO RECORDING

TOP

CHARGING INDICATOR LED

STATUS INDICATOR LED

POWER ON/OFF BUTTON

TURN ON/OFF LED LIGHT & RED IR

BOTTOM

CHARGING BASE PORT

Item	Description
CAMERA LENS	High Definition Camera
LIGHT SENSOR	Detect changes in light and auto turn on IR for low-light recording
INFRARED LED	Records clear image in low light situation. Enable Clear face view with up to 10 meters
FLASH LIGHT	Provide white light source
SPEAKER	Built-in speaker
PLAY & UP KEY	a). Press to scroll up in menu mode b). In play mode, hold to zoom out the playing image c). In play mode, press to rewind video
CONFIRM KEY	a). Press to make a selection in menu mode b). In play mode, press to pause/resume video or audio playback. c). In standby mode, press to review files.
MEMU & DOWN KEY	a). Press to enter into menu mode b). Press to scroll down in menu mode c). In play mode, hold to zoom in the playing image d). In play mode, press to fast forward video
ADD IMPORTANT FILE	a) Press to tag important video/audio file when camera is on recording b) Press to switch between video, photo and audio when playback files.
ONE PRESS AUDIO RECORDING & CHANGE RESOLUTION	a). Press to record audio when not in video-recording mode b). Press to mute/unmute video when camera is on video recording c). Hold to switch resolution between 1080P and 720P when not in video recording mode

ONE PRESS PHOTO SHOT	a). Press to take pictures in standby mode b). Press to take a single snapshot image while in video recording
ONE PRESS VIDEO RECORDING	a). Press to start/stop recording b). Hold to power up camera and start video recording immediately when camera is powered off.
USB PORT	Connects to USB cable for charging or connection to PC PS: optionally connects to external camera
IR/FLASH LIGHT BUTTON	a). Press to turn IR light on/off; b). Hold to turn on/off white light
POWER ON/OFF BUTTON	a). Hold for 3 seconds to turn on/off camera; b). Press to enter or exit screen saver when camera is on
STATUS INDICATOR LED	**Still Green:** camera is powered up and in standby mode, not recording **Still Red:** the device is on pre-recording mode **Flashing Red:** camera is recording video **Flashing Yellow:** camera is recording audio only
CHARGING INDICATOR LED	**Red:** Charging Status **Green :** Fully Charged
CHARGING BASE PORT	Connect to charging dock to charge the camera

Battery Level   Recording indicator

Recorded Time

Video Resolution — 1920 1080

Frame per Second — 16:9 30p

Coding Format — H.265 HEVC

Device & Officer ID — 0000001_000001

Remaining Recording Time — 027:28:38

Total Memory

Date and Time — 2018/03/12 09:16:49

Available Memory — 18.59G/28.96G

Recorded Time — 000:41:07

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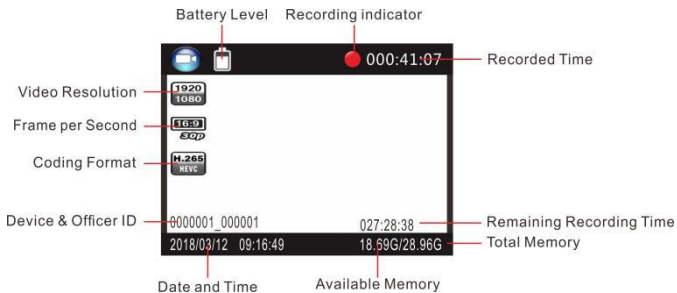
4. Main Menu Optional Detail

To enter the setting menu:
1. Press Menu (**M**) button and then enter a password.
2. Enter the password by using the following commands:
   - Press Scroll Up (**⏫**) button to change the character to the previous letter or number.
   - Press Menu (**M**) button to change the character to the next letter or number.
   - Press OK (**OK**) button to move to the next character

   PS: The default password is 000000press the (ok) button 6 times.
3. After selecting the last character, press OK (**OK**) button to enter the setting menu.

To navigate the settings menu:
- ➢ Press Menu (**M**) button to select next setting or option.
- ➢ Press Scroll Up (**⏫**) button to select the previous setting or option.
- ➢ Press OK (**OK**) button to move to confirm your selection or enter the submenu.
- ➢ Press Power (**⏻**) button to return to the previous menu without changing anything.

Following is a list of the available settings and options. The bold items are the default options.

Setting	Description	Options
Video Resolution	The image resolution for video	2688×1512 30P 2560×1440 30P 2304×1296 30P **1920×1080 30P** 1280×720 30P 848×480 30P
Photo Resolution	The image resolution for photos	**5M (3008×1692 16:9)** 12M (4608×2592 16:9) 20M (5984×3366 16:9) 25M (6656×3744 16:9) 30M (7296×4104 16:9) 40M (8448×4752 16:9)
Burst	The number of images captured when you take a photo.	**Off**, 2, 3, 5, 6, 8, 10, 15, 20
Record Cam	When choose Ext., it will only record the external mini cam. When choose both, it will record both the main cam and mini cam.	**Ext.**, Both
Dewarp	When on, video distortion correction will be corrected, with more power consumption.	**Off**, On
Self-Timer	The amount of time the camera waits to take a photo after you press Snapshot button.	**Off**, 5 secs, 10 secs, 20 secs, 30 secs, 1 min
Quality	The quality of the image for video and photo files.	**S. Fine**, Fine, Normal

Pre-record	When on, any video you record will include some of the time that elapsed before you press the Record button (stored in the camera buffer); When off, any video you record will include only video and audio from the point after you press the Record button.	**Off**, On
Post Record	The amount of the time the camera waits to stop recording video after you press the Record button.	**Off**, 5 secs, 1 min, 10 mins, 20 mins, 35 mins
CarDV 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
Loop Recording	When on, camera will overwrite the oldest video file with the most current video file once its memory is full. This setting can be selected only when car DVR mode is on.	**Off**, On
Split Time	While recording video, the camera will automatically split its recording into files of this length.	1 min, 3mins, 5 mins, 10 mins, **15 mins**, 20 mins, 30 mins, 45mins
Slide Show	When on, viewing photo file will start a slideshow where each photo will be shown for around 5 seconds.	**Off**, on

Infrared	When set to manual, you will need to hold Snapshot button to turn IR LEDs on/off. When set to Auto, these lights will activate automatically based on the light sensor's reading.	**Manual**, Auto
Motion Detect	When on, camera will start recording when front movement is detected by the lens.	**Off**, On
Recording warning	When on, you will hear a voice confirmation when you start recording. When off, voice confirmation is disabled.	Off, **On**
Global Positioning	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
Language	The language of the text in camera interface	**English**, 简体中文, Русский, Polski, 한국, French, 日本語, Portuguese, Español, Türk
Screen Saver	The amount of the time the camera can be idle before deactivating the display to conserve power.	Off, 30 sec, **1 min**, 3 min, 5 min
LCD Brightness	Screen lighting to view	Low, Medium, **High**
Auto Power off	The amount of the time the camera can be idle before powering off.	**Off**, 30 secs, 1 min, 3 mins, 5 mins

LED Light	When on, indicator LED will tell the status of the camera; When off, camera is entering covert mode	Off, **On**
White Led	White Led light to offer light source	Off, **On**
Key Tone	When on, camera will play a tone each time you press a button. When off, tone is disabled.	Off, **On**
Volume	The volume of the device speaker. This affects the loudness of the key tone and record warning.	0-**12**
Coding format	The coding format of video files	**H.264,** H.265
Time Setup	Adjust time to real location	yyyy/mm/dd __:__
ID setting	User can set Device SN and Person SN	Alphanumeric characters
Password	If password is on, user needs to enter password to get access to setting and connection to PC	Off, **On**
Change User Password	Password can be set or changed	Alphanumeric characters
Default setting	Use this to return camera to its original settings. This does not erase the memory.	O (Yes), X (No)
FW Name	Firmware version	

5. Operation

5.1 Power on/off

Hold Power button 🔘 for 3 seconds to start up and enter standby mode; In any mode, hold Power button 🔘 for 3 seconds and the device will shut down.

PS: In standby / video recording / audio recording mode, short press power button 🔘, screen saver can be on/off.

5.2 Resetting

Press reset button (inside USB port) to have camera resetting when camera works abnormally.

Please note: DO NOT PRESS this button except wrong operation.

5.3 Infrared Night Vision

While under dark circumstances, infrared LED will help to record clear image or video in HD.

In standby mode, PRESS Menu (M) button to navigate. Find option 【Infrared】, PRESS OK (OK) button to enter sub-menu: Manual & Auto, press OK (OK) button to select.

1) Auto infrared mode:
In low light situation , 4 IR LEDs will be turned on automatically, camera switches on the infrared filter lens, video image will turn black and white. When Surroundings brightness up, IR LED will turn off, and image shows in colour again.

1) Manual infrared mode:
When night vision is needed, PRESS IR light button to switch to Infrared mode, IR LEDs will be turned on, black and white image. PRESS this button again to turn off IR LEDs, image shows in color.

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5.4　Take Photos

In standby, PRESS snapshot($\boxed{\text{◻}}$) button to take a snapshot, with a sound "Click", LED working status indicator will flash red once, and the photo stored. The photo resolution and quality can be set in the settings.

5.5　Snapshot

While camera is recording video, PRESS snapshot ($\boxed{\text{◻}}$) to take a snapshot. On the LCD display, there will be a flashing green square, which refers to that a photo has been taken while video is recording.

5.6　Video Recording

In standby mode, PRESS record ($\boxed{\text{▣}}$) button, indicator LED turn red and flash, then camera "beep" and vibrates, starts video recording. If the voice is on, camera will start video recording with indication voice. PRESS record ($\boxed{\text{▣}}$) button again, video recording stops and camera switches to standby mode, working status indicator changes to green.

5.7　Motion Detection

In settings, please find [Motion Detect] option. PRESS OK ($\boxed{\text{OK}}$) button to select.
Sub options: ON/OFF

PRESS record ($\boxed{\text{▣}}$) button to activate motion detection, any moments are detected, camera will start recording. If there are no movements for 10 seconds, camera will stop recording. Once any movements detected, camera will start video recording again.

5.8　Audio Recording

In standby mode, PRESS Audio ($\boxed{\text{♨}}$) button, with a beep and camera vibration, LED indicator turn yellow and flashes, audio recording started.

PRESS Audio ($\boxed{\text{♨}}$) button again to stop audio recording.

5.9   One Button video recording

When camera is powered off, HOLD Record (📹) button for three seconds, camera will initiate and start video recording immediately.

5.10   Tag Important file (VIP)

In audio or video recording, PRESS importance tag (⭐) button, camera vibrates, the audio or video file will be tagged important, with a yellow icon (⭐) showing on the right of the LCD screen, which cannot be overwritten on the loop setting.

5.11   Device ID/ User ID

In standby mode, PRESS Menu(Ⓜ) button to enter settings. Find [ID setting], PRESS OK (🆗) button to select, then the Device & Person SN interface will show up, 5 characters for device and 6 characters for Person. PRESS scroll-Up (▶Ⅱ) button or Scroll-down (Ⓜ)button to highlight a character, then PRESS OK (🆗) button to select.

5.12   Time Setting

In standby mode, PRESS Menu (Ⓜ) button to enter settings. Find Time bar, for example, 2008/02/02 07:40. PRESS OK (🆗) button and enter the password, then users can change the date and time.
Press Scroll-Up (▶Ⅱ) button or Scroll-down (Ⓜ) button to highlight a character, the PRESS OK (🆗) button to select.

5.13   Video/picture/audio files can only be deleted on your pc/laptop by clicking right on your mouse and pressing delete files.

After being connected to PC, password interface shows up, please enter the password(default password is 000000)Press the (OK) 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.

5.14 Playback

In standby mode, press scroll-Up button 🔼 to enter playback mode. There are Video, Photo, and Audio options. Press Star button to select, and press OK button **OK** to confirm the selection.

1) In video file playback mode, PRESS OK (**OK**) to pause/resume playback; PRESS Scroll-Up (🔼) button to rewind, PRESS Scroll-down (**M**)button to fast forward, then PRESS OK(**OK**) to play normally. You can fast forward or rewind 2x, 4x, 8x, 16x, 32x, 64x, 128x.

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

3) Exit the Playback mode:

In Playback mode, PRESS Power (🔘) button to get back to standby mode step by step.

5.15 Charging

When camera batter is low, the battery icon will flash in the display, and you will hear an alert tone. When this happens, charge the camera.
While camera is charging, indicator lights red and will turn green after camera is fully charged. It will take approximately 4 hours to fully charge the camera.

Charging method:
Only use charging equipment provided using the charging dock USB lead and three pin UK plug provided.

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