

CAROLINA · MILANO

Full HD 1080P Security Night Vision Hidden Spy Camera Instruction Guide



Model G2300



Important safety instructions

- Exercise with caution when using your G2300 camera.
- Always be aware of your surroundings and avoid injury to yourself and others.
- Apply the following precautions with your camera to avoid fire or explosion:
 - DO NOT try to open, puncture, disassemble drop, crush, bend, deform, microwave, incinerate, paint the camera or any other activity not listed in this Instruction Guide.
 - DO NOT insert any foreign objects into any opening on the camera, e.g. USB port.
 - DO NOT use for any reason the camera if it has been damaged e.g. affected by water, cracked, or deformed.
 - DO NOT Disassemble or puncture the integrated camera's battery, since this can cause an explosion or fire.
 - DO NOT dry the camera with an active heat source such as a hair dryer, microwave oven or oven.
 - DO NOT place direct flame sources, such as gas flames or lighted candles near the camera.
 - DO NOT handle the camera charger or the USB cable plugs with wet hands.
 - During charging, place it in a well ventilated location, away from heat sources.

Failure to comply with these precautions can result in electric shock.

- Only use chargers marked: Output 5V with 1A up 2.1A.
- If you are not familiar with the charger's specifications (voltage and current), use the supplied USB cable to charge the camera from your computer.
- **DO NOT place** the Camera in close proximity to strong magnetic forces and keep distance from objects that transmit strong radio-waves. Avoiding this precaution, may result in a faulty or degraded camera performance.
- **DO NOT** place the Camera close to high temperature source or subjected to direct sunlight.

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CAROLINA · MILANO G2300 Full HD 1080P Night Vision Action camera Instruction Guide

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Every effort has been made in the preparation of this guide to ensure the accuracy of the information presented.

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Welcome

Congratulations on the purchase of the CAROLINA MILANO G2300 Full HD 1080P Night Vision Action camera.

This Camera is perfect for capturing all those important actions events and memorable moments in clear Full HD with 155° wide angle lens.

Before using the camera, please read this instruction guide

Set Content

The G2300 Night Vision Action Camera set includes the following:

- 1 x G2300 Camera
- 1 x Waterproof Camera case
- 1 x Magnetic Bracket
- 1 x Bike Handle Bar Pole mounts
- 1 x Base Mount Strap Handle
- 1 x USB Cable

G2300 Main Features

G2300 Night Vision Action Camera main Features

- FH 1080P Video recording
- 12MP image capturing
- Record during charging
- Night Vision
- 155 wide angle
- Waterproof case enabling to protect the camera in extreme conditions to dive up to 96 ft.
- Wi-Fi

G2300 Camera layout



G2300 Camera in its Waterproof protective case

Camera operating modes

1. Charged standalone
 - a. Full camera capabilities
 - b. Operating time with built-in battery: up 90 min
2. With USB Charger (AC outlet)
 - a. Full camera capabilities
 - b. Operating time: Indefinitely
3. With USB Battery Bank Charger
 - a. Full camera capabilities
 - b. Operating time: with 10,000 mAh battery pack – about 35 hours
4. With USB Connector to computer
 - a. Charging only (cannot record or take photos)
 - b. File copy from camera to computer

Camera light indicators

Red

- Fixed light - Power on / standby / Battery fully charged
- Flashing light – Charging / low power

Blue

- Fixed light – Taking a photo
- Flashing light – Video recording

Yellow

- Fixed light – Infrared video recording

Green

- Fixed light – Wi-Fi is on and ready for remote connection
- Flashing light – Camera is connected to a device

Getting started

Insert the Micro SD memory card

Insert the Micro SD memory card 4GB up to 32GB class 10 (not included) to the SD card socket on the camera as shown in the image.

Use flat item like a credit card to insert the memory card.



Battery charging

Connect the supplied USB cable to the camera. (Micro USB connector) and plug the USB end to a USB charger or Computer.

Remark:

Connecting the camera to a computer USB port enables only charging and file copying.



Charging status:

- Flashing Power LED – charging the battery
- Steady Power LED – the battery is fully charged

Charging time for a new battery is 2-3 hours (depends on the charger)

Turning-on/off the G2300 camera

Note:

If charged from a Computer USB port, you must disconnect the camera from the computer in order to turn it on

- ON- Press on the Power button for 2-3 seconds and the Power led will turn on
- OFF- Press on the Power button for 2-3 seconds and the Power led will turn off

Configuring the camera's options via WiFi and App

With this application you will customize the camera's settings

1. Download the following Application "Sports DV" from your Application store (Apple iOS or Android)
or use QR read Application on your device to find the Application on your store



IOS



Android

2. Turn on the camera
3. Turn on the camera's Wi-Fi
 - i. Click on the Mode button for 3 seconds
 - ii. verify that green Wi-Fi indicator is on
4. from your device, connect to the following Wi-Fi network that starts with SQ23_...(like SQ23_DOEE) (can be changed later)
5. Type the following password: 12345678 (can be changed later)
6. On your device, run the Sports DV Application
7. Verify that you are connected , your device will display this screen:

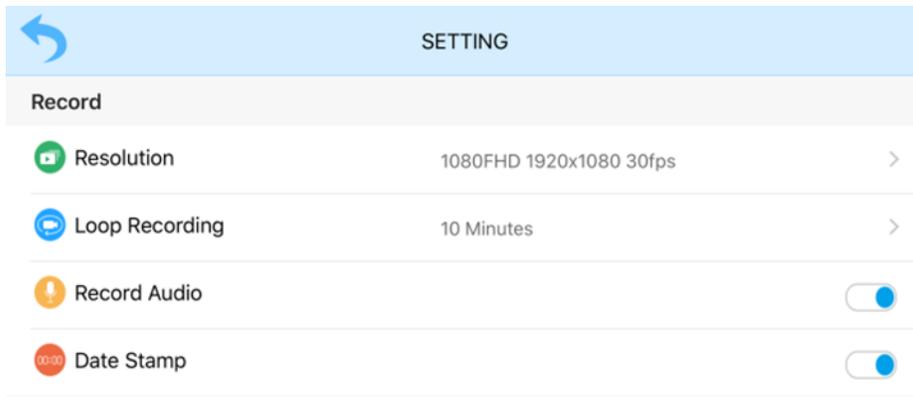


- i. If you encounter a connection issue:
check the **Troubleshooting** Chapter
App does not reconnect to the camera

8. Click the **Settings** icon (right bottom)



Settings for Video Recording



- **Resolution**

Select the required video recording resolution:

1080FHD 1920x1080 30fps

1080P 1440x1080 30fps

720P 1280x720 30fps

9. **Loop Recording**

Select the required video loop recording:

Off

3 Minutes

5 Minutes

10 Minutes

10. **Record Audio**

Select the required settings

Yes – Blue icon

No – Grey icon

11. **Time Stamp**

Select the required settings

Yes – Blue icon

No – Grey icon

Setting for Capture (taking Photos)

Capture		
 Resolution	12M (4032x3024)	>
 Date/Time	Date	>

- **Resolution**

Select the image resolution:

12M (4023X3024)

10M (3648X2736)

8M *3264X2448

5M (2592X1944)

3M (2048X1536)

2MHD1920X1080

1.3M (1280X960)

- **Date/ Time**

Select the following options:

Off

Date

Date/Time

System Settings

SETTING		
System		
 Auto Power Off	1 Minute	>
 Date/Time	MM/DD/YY	>
 Language	English	>
 Format		
 Default Setting		
 Menu Version	20170602 V1.1.2	

- **Auto Power off**

Off

1 Minute

2 Minutes

5 Minutes

- **Date/Time**

YY/MM/DD

MM/DD/YY

DD/MM/YY

- **Language**

English

Chinese

- **Format**

Be careful with this option since if you select Yes this option will initialize the memory card and will remove all the info from the memory card

Click Green V for Yes

Click Red X for No

- **Default Settings**

Be careful with this option since if you select Yes this option will reset the camera settings to the original factory default settings

Click Green V for Yes

Click Red X for No

Setting the Wireless Network (Wi-Fi)

Wireless Network		
 WifiName	SQ23	>
 Password	12345678	>

- **WifiName**

The default camera's wifi name is SQ23 it is recommended to change the wifi name

Click **wifiName**

Type the new wifi name (eg. abc)

Click OK (Green V)

Do not change the Wi-Fi password at this time

Turn off the camera

Turn on the camera

Click on Mode for 3 second

Wi-Fi is on with the new name:

Wireless Network		
 WifiName	abc	>
 Password	12345678	>

- **Password**

To change the Wi-Fi password click on Password

Type the new password (must be 8 characters)

Click OK (Green V)

Turn off the camera

Turn on the camera

Click on Mode for 3 second

Connect to the camera's Wi-Fi with the new password

Wi-Fi's password is on with the new name:

Wireless Network		
 WifiName	abc	>
 Password	87654321	>

Operating the Camera with a Memory Card

Press Power button to turn on the camera - constant Red light indicates that the camera is in standby status

Note:

Depending on the Auto Power Off settings configured, if no action taken during standby, the camera will automatically turn off

Taking a photo

- From standby status, Shortly press the Power button
- Blue light flash once
- Picture taken and saved
- Camera retunes to standby status

Recording a Video Start/Stop

Start Recording

- From standby status, Shortly press (1sec) the Mode button
- Blue light starts flashing
- Starting Video recording

For loop recording – continue recording as required

Stop Recording

- Shortly press (1sec) the Mode button
- Camera retunes to standby status

Recording a Video with Infrared Night Vision Start/Stop

Start Recording

- From standby status, Shortly press (1sec) the Mode button
- Blue light starts flashing
- Starting regular Video recording
- For the second time, Shortly press (1sec) the Mode button
- A constant Yellow light turns on
- Starting Infrared Night Vision Video recording

For loop recording – continue recording as required

Revert from Video with Infrared Night Vision to regular recording

- Long press (3sec) the Mode button
- Blue light starts flashing
- Continue with regular Video recording

Stop Infrared Night Vision Recording

- Shortly (1sec) press the Mode button
- Camera retunes to standby status

Operating the Camera with the Sports DV App

Please note: the Wi-Fi range up to 50ft.

Connecting your Device to the G2300 Camera

1. Turning-on the G2300 camera

- Press on the Power button for 2-3 seconds and the Power led will turn on

2. Turn on the Wi-Fi

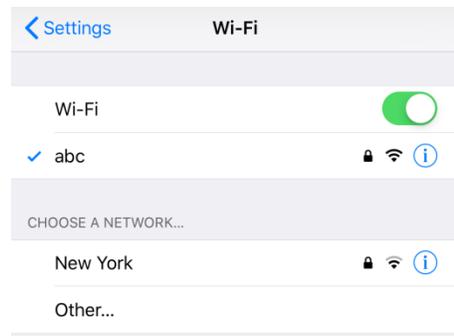
- Click on the Mode button for 3 seconds
- Verify that green Wi-Fi indicator is on

3. Connect to the camera's Wi-Fi

from your device, connect to the camera's wifi as you have configured in the getting started section of this guide

4. Type the Wi-Fi password

Type the Wi-Fi password as you have configured in the getting started section of this guide



5. **Run the Camera's App**

On your device, run the **Sports DV** Application

6. Wait for the connection to complete (V on the screen - as shown in this snapshot)



7. Click PLAY to start monitoring



Getting to know the Sport DV App PLAY Screen and Commands

Clicking PLAY on the App will open the following screen: 5 icons to the left and 5 icons to the right



Left Screen Icons

1. Return to Start Screen
 - Tap on the Return icon to return to start screen
2. Device side commands
3. Take a photo, save on device
4. Record Video, save on device
5. View saved Photos and Videos on Device

Right Screen Icons

1. Camera's Battery status
 - Icon displays battery & charging status
2. Camera's TF Memory Card side commands
3. Take a photo, save on Camera
4. Record Video save on Camera
5. View saved Photos and Videos on Camera TF Memory Card

Monitoring, Taking Photos & Recording with the "Sports DV" App

Note: in order to monitor, record video and take photos, the Sports DV App must be on all the session, hence if you will switch to another app on your device the recording will be terminated.

For Loop recording start the recording procedure directly on the camera as described on the first page of "Operating the Camera with a Memory Card" chapter

Monitoring

Clicking **PLAY** will automatically start the monitoring session.

Screen command menu will be displayed on both sides of the screen.

For full screen monitoring, tap on the screen once and the commands menu will slide out of the screen

To redisplay the commands menu, tap the screen once

Taking Photos

Taking Photos on the Camera's TF Memory card (Right side Commands)

Tap on the Camera icon and the image will be captured and saved on the Camera's memory card

Taking Photos on the Device (Left side Commands)

Tap on the Camera icon and the image will be captured and saved on the Device

Recording Videos

Recording Videos on the Camera's TF Memory card (Right side Commands)

- Tap on Video Camera icon to **start recording**
Camera icon indicating red dot and record time on the screen
- Tap on Video Camera icon to **stop recording**
Camera icon returns to monitoring state

Recording Videos on the Device (Left side Commands)

- Tap on Video Camera icon to **start recording**
Camera icon indicating red dot and record time on the screen
- Tap on Video Camera icon to **stop recording**
Camera icon returns to monitoring state

Viewing Photos and Videos with the "Sports DV" App

Viewing Photos and Videos from the Camera's TF Memory card

1. Tap on the Folder icon
2. Select the image or video to view
3. Tap Play to view

Viewing Photos and Videos from the Device

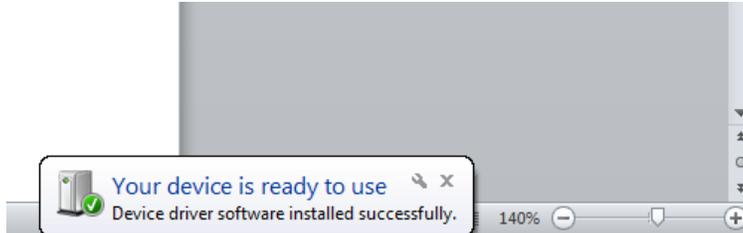
1. Tap on the Folder icon
2. Tap Picture to view Photos or Video to view Videos
3. Select the Photo or Video to view

Copy Camera Videos and Photos to the computer

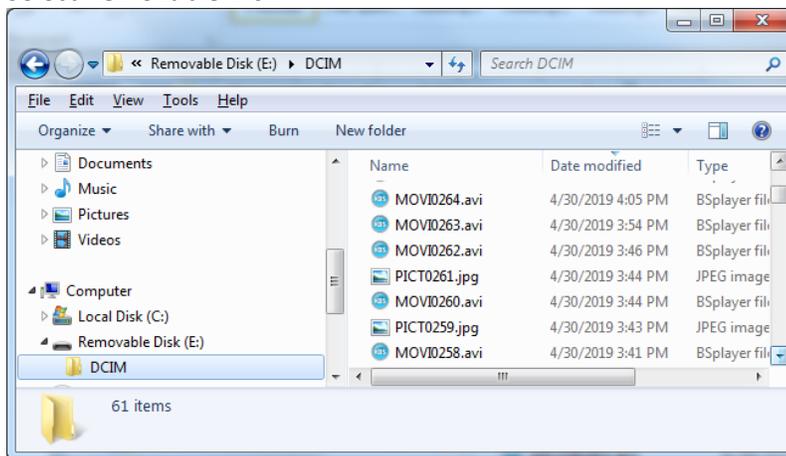
Remark:

Connecting the camera to a computer USB port enables only charging and file copying.

1. Connect the camera to the computer with the USB cable
2. Wait until the computer successfully identifies the new device



3. Run File explorer
4. Select **Removable Disk**



5. Select **DCIM** directory
AVI Files are video file, JPG files are photo image files
6. Copy the files to your computer

Operating the camera without a memory card

Operating the camera without a memory card is possible with reduced capabilities:

1. Camera can operate only in Wi-Fi mode and with the Sport DV App
2. On the Sport DV App Video recording and Photos can be taken only on the Device
3. Operating the App is the same to full mode (with a memory card installed) with the following exceptions: Video Recording, Image taking and file management is not possible on the camera (right side menu commands)



Turning-on the camera in *No Memory card installed mode*

The camera has an auto check for the memory card and if not installed the camera automatically will turn itself off after about 10 seconds.

Hence, to avoid this, start the camera with the following procedure:

1. Press on the **Power** button for 2-3 seconds and the Power led will turn on
2. Immediately after the Power led is on Press on the **Mode** button to start the Wi-Fi
3. Connect to the camera's Wi-Fi as described previously in this manual and you are connected

Monitoring, Taking Photos & Recording with the “Sports DV” App

Note: in order to monitor, record video and take photos, the Sports DV App must be on all the session, hence if you will switch to another app on your device the recording will be terminated.

Monitoring

Clicking **PLAY** will automatically start the monitoring session.

Screen command menu will be displayed on both sides of the screen.

For full screen monitoring, tap on the screen once and the commands menu will slide out of the screen

To redisplay the commands menu, tap the screen once

Taking Photos

Taking Photos on the Device (Left side Commands)

Tap on the Camera icon and the image will be captured and saved on the Device

Recording Videos

Recording Videos on the Device (Left side Commands)

- Tap on Video Camera icon to **start recording**
Camera icon indicating red dot and record time on the screen
- Tap on Video Camera icon to **stop recording**
Camera icon returns to monitoring state

Viewing Photos and Videos with the “Sports DV” App

Viewing Photos and Videos from the Device

4. Tap on the Folder icon
5. Tap Picture to view Photos or Video to view Videos
6. Select the Photo or Video to view

Troubleshooting

App does not reconnet to the camera

1. Stop / Turn off the App
2. Verify that you are connected to the camera's Wi-Fi, If not reconnect
3. Restart the Sports DV App

Technical Specifications

Lens	155° wide-angle
Infrared Night Vision	Yes
Video	1080FHD 1920*1080 30fps 1080P 1440*1080 30fps 720P 1280*720 30fps
Video Format	AVI
Loop recording	Off, 3 min, 5 min, 10 min
Recording Time	1080P / 90 minutes
Photo Megapixels	12MP 4023X3024 10MP 3648X2736 8MP 3264X2448 5MP 2592X1944 3MP 2048X1536 2MP 1920X1080 1.3M 1280X960
Shooting Mode	Single image / Continuous Loop Recording
Audio System	Built-in Microphone
Image Format	JPG
Memory Card	Micro SD up to 32GB class 10
WiFi	Yes
Languages	English, Chinese
USB	Micro USB to USB cable (included)
Battery type	Lithium -Polymer
Battery capacity	300mAh 3.7V 1.11Wh
Charge Time	2-3 hours depend on the charger
Operating System	Windows XP/7/8/10 or newer & Mac 10.5 or higher
Size	1.14"x1.14"x1.2"
Weight (including battery)	24g / 0.85oz
Working Temperature	-10° C ~ + 55° C
Storage Temperature	-20° C ~ +70° C

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The manufacturer does not accept responsibility for any personal loss and/or injury if the defect was caused by misuse or mishandling by the user in any way.

Visit carolinamilno.com/camera for more information