User Manual

BA-101

http://www.bolymedia.com

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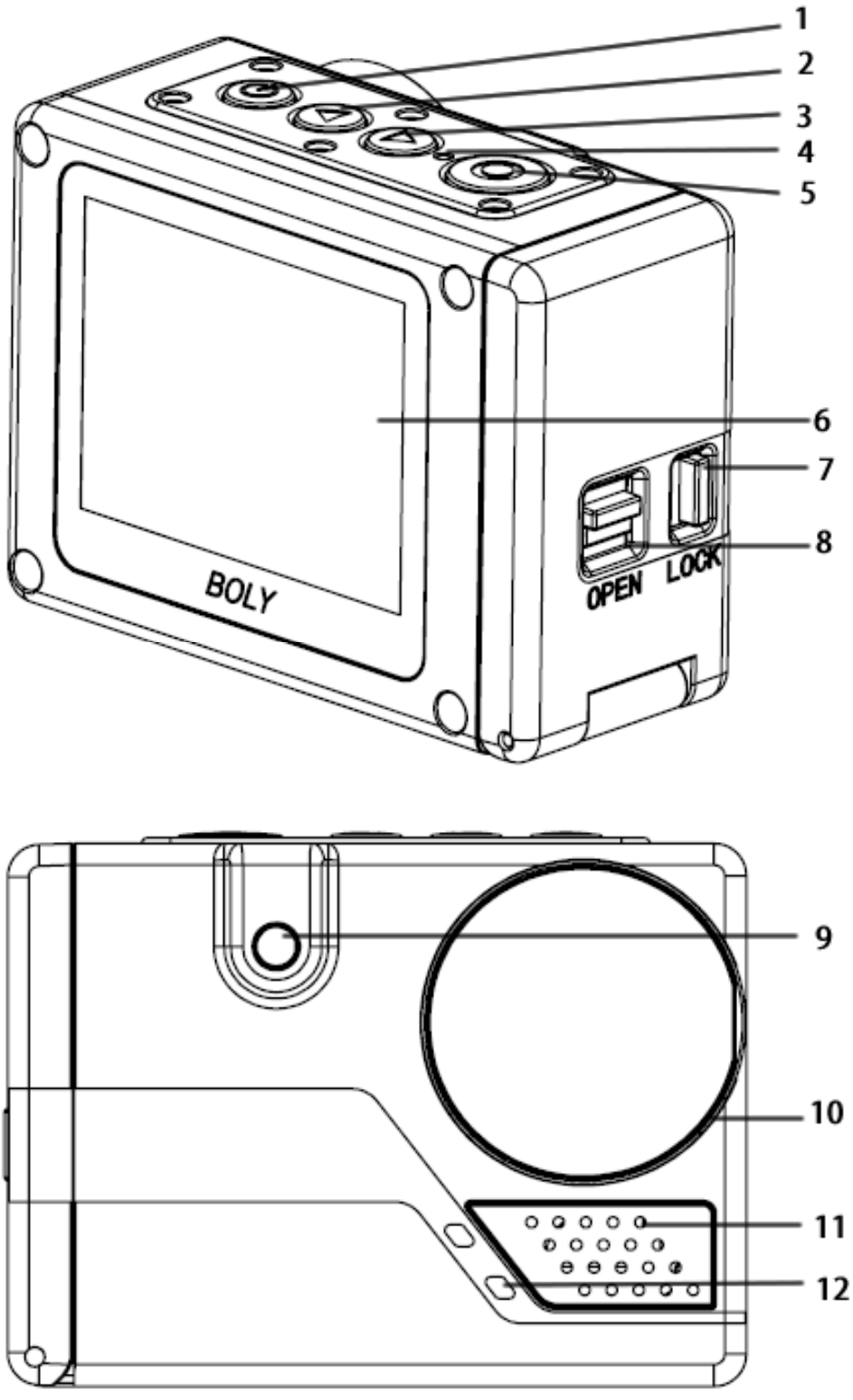
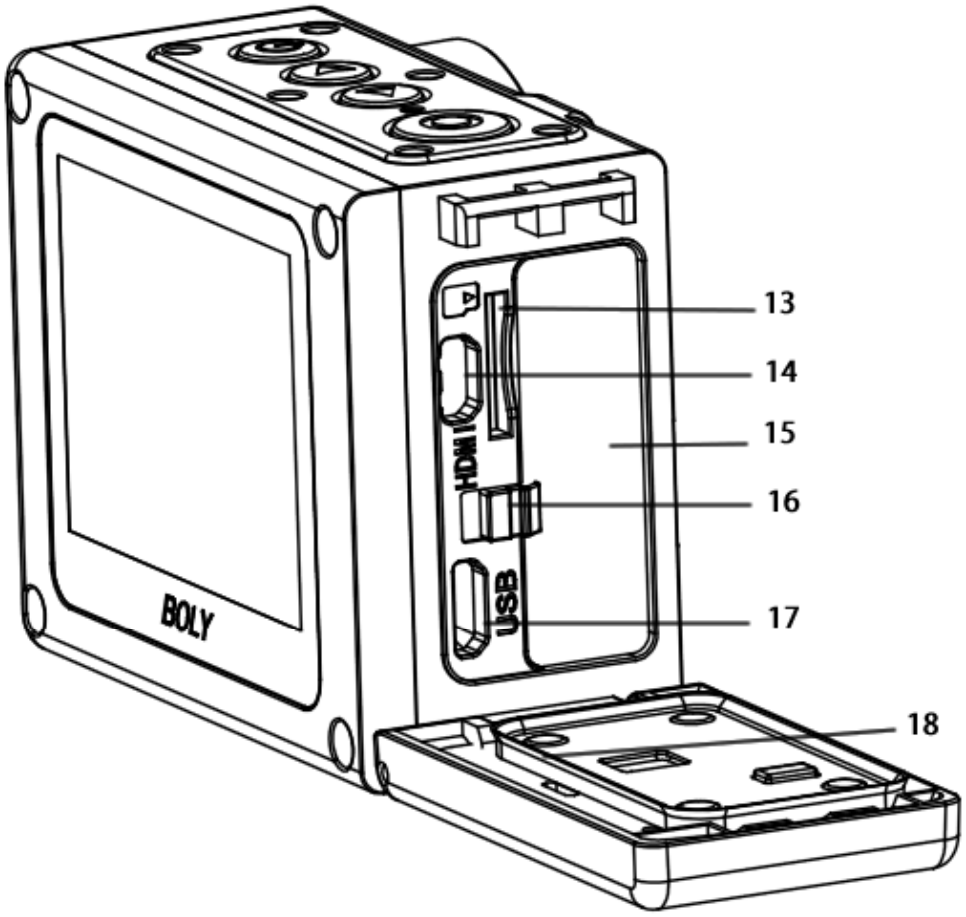
Appearance





1. Power/Menu
2. Up/Voice switch
3. Down/WIFI switch/Mode
4. Charging indicator
5. Shutter/OK
6. LCD Display
7. Battery cover lock
8. Battery cover switch
9. Flash
10. Lens
11. Speaker
12. Microphone
13. MicroSD card slot
14. Micro HDMI port
15. Li-on battery
16. Battery buckle
17. Mini USB port
18. Rubber gasket

All images and illustrations given in this manual are for explanation purpose and may differ slightly from the actual product.

Getting Started

Charging the Battery

Unlock and open the battery door,charge the battery by connecting the camera to a computer or other USB charging adapter using the included USB cable. The charging indicator turns on during charging and turns off when charging is completed.
NOTICE: Only use chargers marked:output 5V 1A. If you do not know the voltage and current of your charger,use the included USB cable to charge the camera from your computer.
The included lithium-ion battery comes partially charged. No damage occurs to the camera or battery if used prior to a full charge.

Inserting or Removing MicroSD Card

Slide the memory card into the card slot according to the correct icon before powering on the camera. The camera itself has no storage space, it will not work well if no microSD card is inserted.
When you want to remove the microSD card, place your fingernails against the edge of the memory card and lightly press it further into the camera. It will springs out far enough to be removed.
NOTE: the camera is compatible with 4GB to 32GB capacity microSD, microSDHC and microSDXC memory cards(not included). Boly recommends using brand name memory cards for maximum

reliability in high-vibration activities. Avoid liquids, dust and debris comes to the microSD card during use. Power off the camera before inserting or removing the card.

Software Update

To get the latest features and best performance from the camera, make sure you are using the most current camera software.
The camera supports updating software through the microSD card. Note frequent updating software may cause damage to the camera.

Power On and Off

To Power On:

Long press the **Power/Menu** button[ ], the LCD display will light with a short “welcome” animation. The information will be displayed on the screen when camera is on.

To Power Off:

Long press the **Power/Menu** button[ ], the LCD display will dim with a short “goodbye” animation.

Setup

Camera Mode

The camera supports three modes:Photo Mode, Video Mode and Playback Mode. In preview status short press **Down/WIFI switch/Mode** button [ ] repeatedly to change modes after turning on the camera. There are different item settings for each mode.

Video Mode: Press the **Shutter/OK** button[ ] to capture a video clip according to custom settings, the same button to stop. Video Mode is the default mode.

Photo Mode: Press the **Shutter/OK** button[ ] to capture still photos according to custom settings.

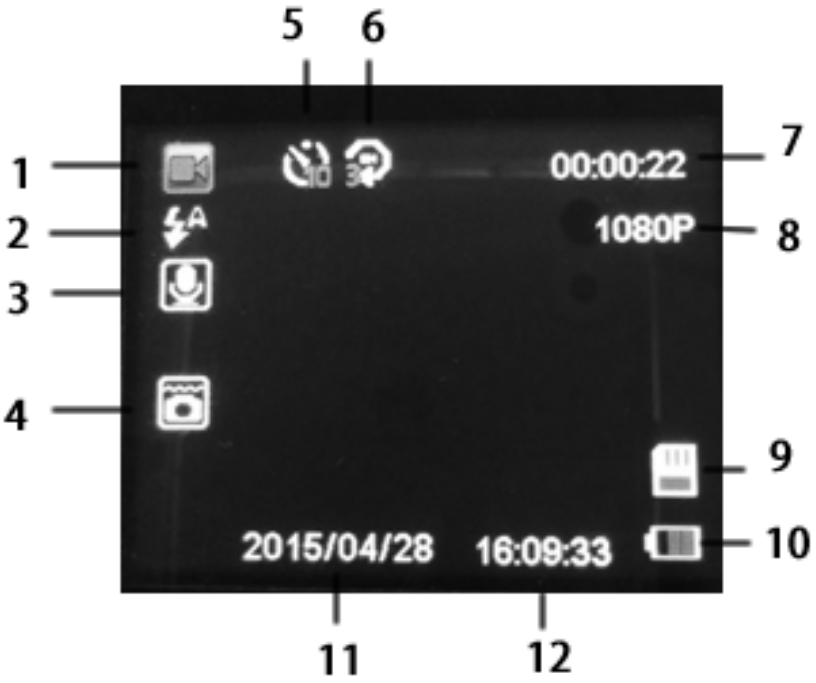
Playback Mode: Press **Down/WIFI switch/Mode** button [] repeatedly to enter playback mode to see a video or photo which has been taken. The **Shutter/OK** button[ ] also helps to playback a video clip, the **Up/Voice switch** button[ ] shows you the prior one.

Also in playback mode, press the **Power/Menu** button[ ] to delete or protect photo or video clip. Once a photo or video clip is protected, it cannot be deleted. An icon of key shows when a picture or video clip is protected.

LCD Display Screen

There is a 2”LCD display screen on the camera which makes it easy to set up and view the

parameters for the various camera modes. Take a few minutes to familiarize yourself with the displays. It is helpful to bookmark this section and refer to it when reading through the rest of the manual.



1. Mode
2. Flash
3. Voice control
4. Underwater
5. Capture mode
6. Loop/Sequence
7. Remaining space
8. Resolution
9. MicroSD card
10. Battery icon
11. Date
12. Time

Setting Items

After you are familiar with the basic operations of the camera, you are now ready for advanced operations. The options and parameters of the camera are explained in more detail.

Setting Items contain two kinds of parameters:

mode parameters and system parameters.

Setting Mode Parameters:

a. Short press **Power/Menu** button[ ] to enter settings menu in preview status;
b. Press **Up/Voice switch** button[ ] or **Down/WIFI switch/Mode** button [] to select menu list;
c. Press **Shutter/OK** button[ ] to expand all of the available options, select the right option you need, then the **Shutter/OK** button[ ] to save;
d. Press **Power/Menu** button[] to exit.

Video Mode **Photo Mode**

Mode	Menu	Options	Description
Video Mode	Capture Mode	Single 2S Timer 5S Timer 10S Timer	This parameter defines the delay time before a video clip begins to record. The delay begins once you press the shutter button. The Single option is for no delay on a video recording.
	Resolution	1080FHD 720P 360P	It means video resolution, select the video resolution you need. Higher resolution take up more memory space.
	Loop Recording	Off 3 Minutes 5 Minutes 10 Minutes	This parameter defines the length of each video clip during the recording. Off means there is no interruption during video taking.

	Flash Mode	Auto Off On	There is a White LED on the front of the camera as fill light. If Flash is set to on, the LED will brighten when the camera starts to take photo or video. If Flash is set to Auto, the LED will brighten if there isn't enough natural lighting for the photo or video.
Photo Mode	Capture Mode	Single 2S Timer 5S Timer 10S Timer	This parameter defines the delay time before a photo is taken. The delay begins once you press the Shutter button. The Single option is for no delay time on a photo being taken.
	Resolution	30M 20M 14M 8M	It means photo resolution, select the photo resolution you need. Higher resolution take up more memory space.
	Sequence	1 Sequence 3 Sequence 5 Sequence 10 Sequence	It means the shooting number of each capturing.
	Date Stamp	Off Date Date/Time	This parameter defines whether Date/Time is stamped on the photo. You can select only date stamped or both date and time.
	Flash Mode	Auto Off On	There is a White LED on the front of the camera as fill light. If Flash is set to on, the LED will brighten when the camera starts to take photo or video. If Flash is set to Auto, the LED will brighten if there isn't enough natural lighting for the photo or video.

System Items	Options	Description
WIFI	On Off	There is a WIFI module built in the camera which makes it much easier to transfer files between the camera and cellphone or tablet PC.

Date/Time	Y/M/D H/M/S	You can change the date and time when necessary, e.g., after you turn on the camera every time.The date format can be changed to Month/Day/Year Day/Month/Year or Year/Month/Day
Auto Power Off	Off 3 Minutes 5 Minutes 10 Minutes	This parameter defines the amount of time the camera will automatically turn off after being idle. The Off setting means the camera will remain working until you turn it off or the battery dies.
Beep Sound	On Off	This parameter is for the beep sound that camera makes while the camera is in use.
Language	English	Choose the language you need.
Voice Study	Take Photo Take Movie Stop Movie Voice Test	There is an acoustic sensor built in the camera. Voice control is available on this camera, but it need to record your voice as a command at first. For example, select “Take Photo”, speak “Take Photo” or other words when “Please speak” is showing on the screen, you then speak again according to the screen reminder. There will be a ★ before “Take Photo”if it succeeds. You can do a voice test by selecting “Voice Test”.
Voice Control	On Off	Turn on or turn off the voice control. Shortcut key: long press the **Up/Voice switch** button[ ] to turn on or turn

		off in preview status.
Auto Over Turn	On Off	There is a G-sensor built in the camera, so that the 2”LCD will overturn according to the gravity sensor to a optimum angel.
Underwater	On Off	The camera itself is resistant against water and can be used underwater without an additional case. Please note do not use this camera underwater deeper than 3m. Deeper than 3m can damage the camera.
Frequency	50Hz 60Hz	This camera can be customized to eliminate the screen flicker frequency. 50Hz is for areas using 50Hz frequency of AC. 60Hz is for areas using 60Hz frequency of AC.
Format	Cancel OK	Format the microSD card. All photos and videos already on the microSD card will be deleted. Please make sure to back up or save these photos before formatting if needed.
Default Setting	Cancel OK	Restore all custom settings to default values.
Version	BA-101 Version	Version information.

Please Note to press Shutter/OK button[ ] to save the selected options,and Power/Menu button[ ] to exit.

Also do not use voice control function in a loud noisy environment.

Connections

There are three ways to view the photo or video files on external devices.

Using a Card Reader

1. Open the battery cover;
2. Eject the microSD card from the camera and insert into a card reader(not included);
3. Connect the card reader to a PC;
4. Open [My Computer] to find the disk of card reader;
5. Double-click the photo or video you want to view.

Using a USB Cable

1. Open the battery cover;
2. Connect the USB port to a PC using the supplied USB cable;
3. Turn on the camera;
4. Select [Mass Storage] showing on the camera screen;
4. Open [My Computer] to find the disk of card reader;
5. Double-click the photo or video you want to view.

Note there are two options when connected with the USB cable to a PC: “Mass Storage” and “PC camera”. It can be used as an external video equipment of PC when “PC camera” is selected.

Using a HDMI Cable

1. Open the battery cover;
2. Connect HDMI port of the camera to a HDTV with an

HDMI cable(not included);

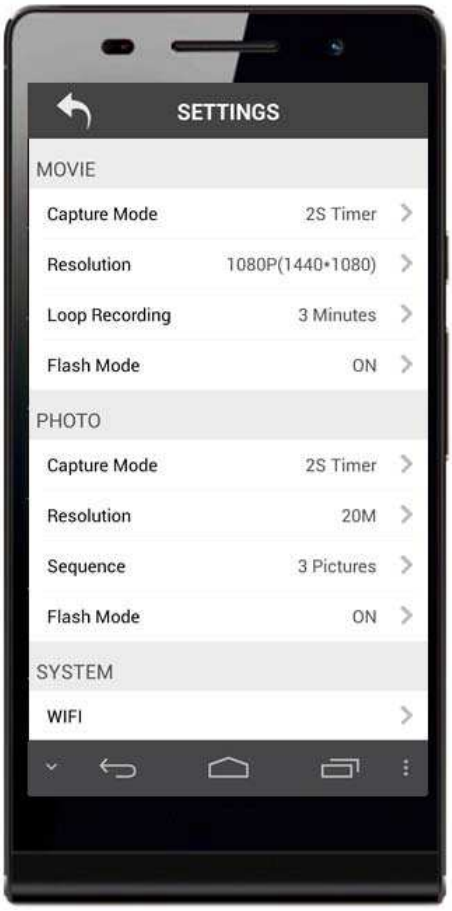
3. Turn on HDTV and switch to HDMI-mode;
4. Turn on the camera;
5. After connecting correctly, objects will be shown on the HDTV, you can record and playback photos or videos, do menu settings on the camera,but the screen will be replaced by the HDTV.

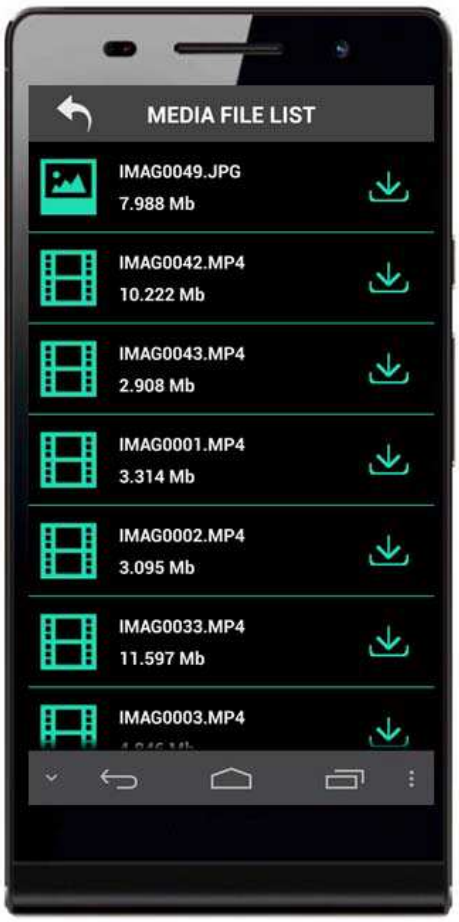
WIFI Connecting

The BolyDV App lets you control your camera remotely using a smartphone or tablet. Features include full camera control, live preview, playback, item settings and downloading files. Shortcut button: Long press **Down/WIFI switch/Mode** button [ ] to turn on WIFI control.

1. Download the BolyDV App to your smartphone/tablet from the Apple store(IOS system) or Google Play(Android system);
2. Install iton your smartphone/tablet;
3. Turn on the WIFI button on camera;
4. Search the WIFI signal on your smart phone/tablet, the default password is 12345678, tap connect.
5. Open the APP, all operations can be done through the APP once WIFI is connected successfully to smartphone/tablet.

NOTE: WIFI name and password can be changed through the APP. It is recommended to do it when you are using a WIFI connection. Please remember to restart the camera after changing the WIFI name and password.


SETTINGS
MOVIE
Capture Mode 2S Timer
Resolution 1080P(1440*1080)
Loop Recording 3 Minutes
Flash Mode ON
PHOTO
Capture Mode 2S Timer
Resolution 20M
Sequence 3 Pictures
Flash Mode ON
SYSTEM
WIFI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10.222 Mb
IMAG0043.MP4
2.908 Mb
IMAG0001.MP4
3.314 Mb
IMAG0002.MP4
3.095 Mb
IMAG0033.MP4
11.597 Mb
IMAG0003.MP4

Mounting Accessories

In order to use the camera more convenient in an outdoor environment, Boly provides two kinds of mounting brackets: one is for mounting to a bike and the other is for mounting to a helmet. Install them as following steps.

1), Mounting to a bike

2), Mounting to a helmet

There is an adhesive tape included for you to connect the mounting bracket to a helmet.

WARNING: Please take caution when using the camera as part of your active lifestyle. Always be aware of your surroundings to avoid injury to yourself and others. Abide by all local laws when using this camera and related mounting accessories.

Specifications

Sensor	14MP
Operating modes	Photo mode/Video mode/Playback mode
Display screen	2” LCD
Lens	F=2.8 FOV=154°
Storage card	Up to 32G
Photo resolution	30M 6400x4800 20M 5184x3888 14M 4416x3312 8M 3264x2448
Video resolution	1080FHD 1920x1080 720P 1280x720 360P 640x360
Microphone	Yes
Speaker	Yes
Battery	Li-on battery 3.7V 1000mAh
Waterproof depth	3 Meter
Dimension	68x50x30mm
Weight	109g
Operating Temp.	-10℃ - 50℃
Storage Temp.	-20℃ - 60℃
Security authentication	FCC, CE, RoHS

Version 1.0