

BOBLOV

**MINI BODY CAMERA
MODEL: A22/A22P**



User Manual

CONTENT







Preface	01
Part 1 Structure Diagram	01
Part 2 Basic Operation	03
2.1 Charging	04
2.2 Power On/Off	05
2.3 Take Photo	05
2.4 Video Recording	06
2.5 Audio Recording	08
2.6 Night Vision(Optional)	08
2.7 LCD Off Mode / Auto Power Off	09
2.8 Files View /Playback	10
2.9 File Delete/Protection	10
2.10 File Transfer/ Connect Computer	12
2.11 Reset	13
Part 3 Indicator Light	13
Part 4 Abnormal Alarm	14
Part 5 Image Rotation Function	14
Part 6 System Setting/ Menu List	16
Part 7 Specifications	18
Part 8 Troubleshooting	20
Part 9 Customer Service	23


PREFACE

We sincerely thank you for using our company's product. This manual is the introduction of the A22/A22P mini body camera which includes its functions, features, external structure, operation, and caution items. Before using the product, please read the user manual carefully and keep it properly.

Part 1 Structure Diagram









1	Audio Record Button 	Push it up/down to start/end audio recording in power off/on state.
2	Play Button/ Confirm/ OK Button 	When playback, act as play and pause. In menu set, short press it to save changes.
3	Volume +/ Up Button 	In menu, short press to select upwards; When playing video, short press to increase the volume, when playback is paused, short press to the previous file; In the video/photo mode, short press to turn on/off the IR light.
4	Volume -/ Down Button 	In menu, short press to select downwards; When playing video, short press to decrease volume, when playback is paused, short press to next file
5	USB Interface	Charging port/ transfer files when connecting to computer
6	Power Button/ Video Record 	Slide it down and hold it to power on/off. Slide it up to start video recording in powering on/off state. Then slide it to the middle position to save the video recorded.
7	Reset Hole	Use a pin to reset the camera if crashes
8	Menu Button 	Long press to enter menu setting; Short press to switch the video/photo/playback mode

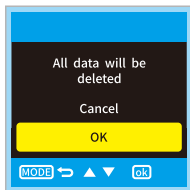
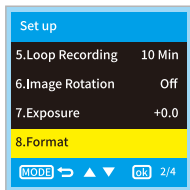
9	Return/Off  Screen Button	Short press to turn off screen display; In menu, short press to previous menu
10	TF card slot	Insert a compatible card

Part 2 Basic Operation

Note:

Please format the card on the camera first when first using or changing the card.

- ① Power on the camera (not on the record video/audio state);
- ② Long press the  button to enter the menu
- ⑤ setting, and select the "format" option via  and  buttons;
Short press  and  buttons to select "OK"
- ⑥ and short press the  button to confirm.



Inserting Card Direction for reference:



2.1 Charging

Charge it with the standard cable. It could be charged correctly as you connect it to your charger or a working computer whether your device is on or off.


Inserting into power, the camera would be power on automatically, the red indicator shows up and stay. After a full of charge 3 hours, the indicator will turn sturdy green.

Note:



It' s normal if it has a certain hot when charging. The screen of the recorder will display a text prompt when low battery and please charge it in time.

If idle the A22 mini camera for a long time, please charge it every 3 months.

2.2 Power On/Off



In the power-off state, push the  button down and hold for 3 seconds, the recorder is turned on then enters the standby mode of real-time monitoring. In standby mode, push the power button down and hold it for 3 seconds to turn off the device.

2.3 Take Photo



Press the  button, turn to the photo preview interface, press  the button to take photos. When video recording, the camera couldn't snapshot at the same time.

2.4 Video Recording

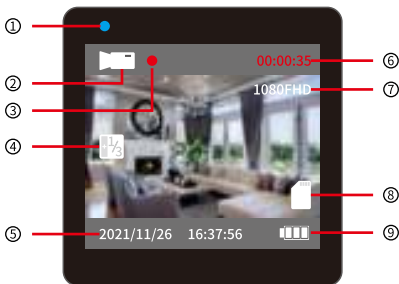
Method 1:

In the power-off state, slide up the video record button  to power on the device and start video recording, the blue indicator flashes. Then push the button down to a **middle** position  to save the current file and stop video recording. The blue indicator goes off and the interface turns to the video just recorded.

Method 2:

In the standby preview interface, slide the video button up  to start video recording, the blue indicator flashes. While recording, push the button down to a middle position  to save the current file and stop video recording. The blue indicator goes off and the interface turns to the video just recorded.



Video Mode Display





- ① Working Blue Indicator
- ② Video Icon
- ③ Status Indicate(not displayed in standby mode, displays a red dot and flashes in video mode)
- ④ Exposure Compensation
- ⑤ System Date & Time
- ⑥ Video Recording Length
- ⑦ Video Resolution
- ⑧ Memory Card Status
- ⑨ Battery Level

2.5 Audio Recording


Method 1:

In the power-off state, push up the  button to power on the device and start the audio recording, the blue indicator flashes; Push the button down  to save the current file and stop audio recording. Indicator goes off and the interface goes to the audio file page.

Method 2:


In the standby preview interface, push the audio button up  to start audio recording, the blue indicator flashes; Push the button down  to save the current file and stop audio recording. Indicator goes off and the interface goes to the audio file page.

2.6 Night Vision (Optional)

A22 Model: In standby/video/photo mode, short press the  "Volume+" button to switch to night vision mode manually. Press it again the real-time image turn colored.









A22P Model: Doesn't support the Night Vision feature. Since we get feedback from customers that A22 will have the pink/purple image when outside activities or in the sunshine, we remove the IR filter and disable the night vision. Update the camera for a stable image color.

2.7 LCD Off Mode / Auto Power Off

This device has a power-saving mode function. By default, it will automatically enter the LCD Off mode after 5 minutes without any operation. Then short press any key to light up the screen. (The "**LCD Off**" could be set to 1 minute, 2 minutes, 3 minutes, 5 minutes, 10 minutes, off in the menu.) Also, a short pressing of the return button  could turn off the screen display in any status, **except in the menu setting**. Short press any button to light up the display.

On standby, it will shut down after your set time. (The "**Auto power off**" could be set to 1 minute, 3 minutes, off in the menu.)








2.8 Files View /Playback

Powering on, short press the  button to switch to the playback mode, then press  and  buttons to select the file needed to view, press the  button to play the file, short press  again could pause. (Short press  to return or exit.) When playing, press  and  buttons could adjust the volume of playing.

2.9 File Delete/Protection

Methods to delete the recorded files




Method 1: Deletion from the camera

In playback mode, (Short press  to enter playback when standby.) press  and  buttons to select the file needed to be deleted, long press the  button to the option of "Delete" and "Protect", press  and  buttons to confirm the "Delete Current"/"Delete All" choice, and press  to choose "OK" to delete the files.

Note:

The marked as protected video when recording couldn't be deleted. If unlock, still could be deleted.









Method 2: Deletion from the PC side

Connecting the camera to the computer, press  and  buttons to choose the "Mass Storage" of the camera and press the  button to confirm. Read the camera disk, choose to copy or delete the recorded file on PC.

File Protection




Note:

The lock/protect option could only valid for VIDEO file.

In playback mode, (Short press  to enter playback when standby.) press  and  buttons to select the video file needed to be protected, long press the  button to select the file needed to be protected, press  and  buttons to confirm the "Protect" choice, and press  to confirm the "Lock Current" or "Lock All" choice, and press  to save.

2.10 File Transfer/ Connect Computer

Connect the camera to the computer with a standard USB cable.

Press  and  buttons to select, and press the  button to confirm.

When the recorder shows "Mass Storage", indicating that it is successfully connected to the computer and camera disk can be read.

Video files, photo files, and audio files are all stored in the **DCIM** folder.


Video format: MOV

Photo format: JPG

Audio format: WAV

2.11 Reset

If the camera crashes or stops working, you could do a reset by poking the reset hole with a pin or thimble (be careful not to use excessive force).

The device will auto shut down after the reset and can be restarted by slide down and hold Power Button  for seconds to turn it on.



Part 3 Indicator Light

- When charging or connecting to the computer, the red light shows and is steady on, and the green light stays on when fully charged.
- The blue indicator light flashes in the video recording.
- The blue indicator light keeps on for 2 seconds then goes out when taking photos.
- The blue indicator light flashes in the audio recording.

The Indicator light could be turned off the menu setting.

Part 4 Abnormal Alarm

This device has two alarm prompts for abnormal conditions, namely:

- A text prompt will appear on the screen of the recorder when low battery.
- A text prompt will appear on the screen of the recorder when full memory / No TF card is inserted.

Part 5 Image Rotation Function

The mini camera lens support 180 degrees of manual rotation.

There is an Image Rotation option in the menu setting, Off in default.

Circumstance 1:

The lens is on the side of the back clip, the Image Rotation option in the menu setting is **Off**, at this status, the image direction is in a correct way.

Reference for Wearing Way:



Circumstance 2:

The lens is on the side of the screen, at this time, the image is flipped, enter the menu setting and set the **Image Rotation** option to **On**, then a correct direction image shows up.

Reference for Wearing Way:



If find the preview image or recording image is flipped / upside down:

Method 1:





Please rotate manually the camera lens 180 degrees to check whether the image direction is corrected.

Method 2:

Enter the menu setting to turn on the "**Image Rotation**" function to "**On**".

Part 6 System Setting/ Menu List

After powering on the device/ in standby, long press

 button to enter the menu setting, press 
and  buttons to select the options to change,
then press the  button to confirm.

Option Details as follows:

	Parameter Choice	Default Value
Video Resolution	1080FHD/ 1080P/ 720P	1080FHD
Photo Resolution	40M/ 21M/ 12M/ 10M/ 8M/ 5M/ 3M/ 2MHD/ 1.3M/ VGA	21M
Date & Time	Can be edited	/
Motion Detection	On, Off	Off
Loop Recording	Off/ 1Min/ 2Min/ 3Min/ 5Min/10Min	10Min
Image Rotation	Off/ On	Off
Exposure compensation	+2.0, +5/3, +4/3, +1.0, +2/3, +1/3, +0.0, -1/3, -2/3, -1.0, -4/3, -5/3, -2.0	+0.0
Format	Format all the files in TF card	/

Language	English/繁體中文/ 简体中文/日本語/...	English
Auto power off	Off/ 1 Min/ 3 Min	Off
LCD Off	Off/ 1Min/2Min/ 3Min/ 5Min/ 10Min	5Min
Indicator light	Off/ On	On
Version	Date	/
Default	Restore all settings to a default value.	/

Part 7 Specifications

Memory Capacity	Support 8GB-128GB External Card, please choose high quality Micro SD Card (Classic 10)
LCD Screen	1.3inch TFT LCD Screen
Lens	HD 160 degrees wide-angle lens
Focus Distance	50cm-Infinity
Exposure Method	Automatic
Night Vision	A22 Model: Support, Manually Activated , 4pcs invisible IR lights; A22S Model: Doesn't Support
Max Photo Resolution	40 million pixel JPG format
Max Video Resolution	1080FHD (H.264) format
One Key Recording	Support one key to audio/ video record
Max Video Length	Turn off the Loop Recording, the camera support recording continuously, max every 10 min video saved as one file.
Motion Detection	Support
Date/Time Stamp	Support
Loop Recording	Support; Off/1Min/ 2Min/ 3Min/ 5Min/ 10Min

Live Playback	Play/ pause/ fast-ward/ backward your saved videos, photos & audios.
Power Saving Mode	Turn off the screen / device to save power in recording / standby mode.
Prompt	Indicator/Screen Display
Microphone	Built-in microphone
Speaker	Built in speaker
Connection	High speed Micro USB 2.0
Battery	2200mAH / 3.8V lithium battery
Recording Time	About 10H (1080P, IR Off, Screen Off)
Input Voltage	Micro USB 5V/1A to 1.2A
Working Temperature	-10°C to 55°C
Size	96mmx37mmx16mm (without back clip)

Part 8 Troubleshooting








Q: Can't turn on or camera crashes, no response to keystrokes?

- A: 1. Please charge it for a least half an hour then turn it on.
2. Press the Reset button once, then restart.

Q: Black screen appears after powering on.

- A: 1. The screen may enter the power-saving mode after pushing the return button mistakenly. Press any button again to light up the screen display;
2. Press the Reset button once then restart the camera.
3. Check whether the **"LCD Off"** is turn on in the menu,
If you want the display is always on, please enter the menu to set **"LCD Off"** option to Off. **"LCD Off"** option can be set to off/1 min/2 min/3min/5 min/10min.
4. If the issue remains, maybe the display screen is defective, contact after-sale for service.


Q: Incorrect system date and time.

A: Just set your date and time again in menu settings. Long press  button to enter the menu setting, press  and  buttons to find "Date/Time", press the  button to enter, press  and  buttons to change then press the  button to confirm.

Q: The computer prompts "Please reconnect the device"./ The camera dish can't be recognized by the computer.

A: 1. Use another compatible USB cable to try again.
2. Check whether the camera USB interface or computer USB port is damaged.
3. If the issue remains, contact after-sale for service.

Q: The screen displays red color.

A: 1. Please press the  button twice to reset the lens.
2. Maybe the lens of the device malfunctioned, contact after-sale for service.

Q: A video or audio cannot be played? Or no sound for videos?

A: Turn to the loudest volume of the camera to check whether the sound could playback normally with the camera itself. It is recommended to playback videos/ audio on the **VCL media player** on your computer.

Q: The preview image or recording image is flipped / upside down:

A: 1. Please rotate manually the camera lens 180 degrees.
2. Enter the menu setting to turn on the "**Image Rotation**" function to "On".

Part 9 Customer Service

BOBLOV is dedicated to offer the best service to our valuable customer.

To reach BOBLOV customer service, please e-mail us:

Official Email address: support@boblov.com

Official Website: www.boblov.com

Facebook: www.facebook.com/BOBLOVGlobal/

Tel: + 1(213) 905-9206

Address:

**10700 Jersey Blvd #730 Rancho Cucamonga,
CA 91730 USA**

