BOYO®
VISION

Rear View Mirror Monitor & HD DVR VTR24M User's Manual

PRODUCT STRUCTURE
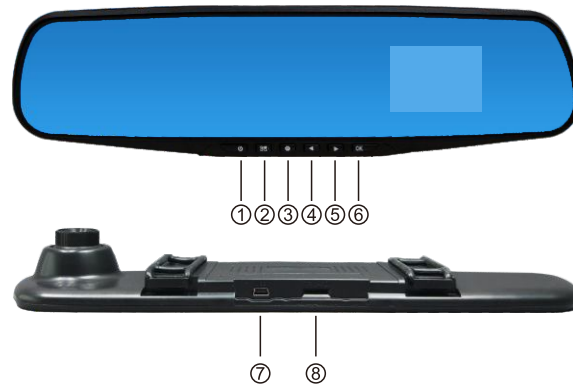
① POWER ON/OFF   ⑦ USB port
② MENU   ⑧ TF/MICRO SD Card slot
③ MODE
④ UP
⑤ DOWN
⑥ OK

OPERATING INSTRUCTIONS

1. ⏻ POWER ON/OFF Key

Press ⏻ to choose power on or power off.

2. ⊞ MENU Key

① In video mode, short press ⊞ into video menu, press it again to enter the setup menu. In the setup menu, short press ⊞ will automatically exit the setup menu and return to video mode.

② In photo mode, short press ⊞ to enter camera menu, press ⊞ again to enter the setup menu. Press the ◀ or ▶ to choose the correct setting and press ⓄⓀ to save the setting. In setup menu, short press ⊞ will automatically exit the setup menu and return to photo mode.

③ In recording mode, short press ⊞ To enter the setup menu, short press ⊞ Will automatically exit to the recording mode.

④ In replay mode, short press ⊞ to enter the file operation menu, press to enter the setup menu. In the setup menu ,short press exit ⊞ will automatically setup menu and return to replay mode.

3. ✿ MODE Key

In video mode, short press ✿ into the photo mode.

In photo mode, short press ✿ into the recording mode.

In recording mode, short press ✿ into the replay mode.

In replay mode, short press ✿ into the video mode.

4. ◀ UP Key

Short press ◀ to upturning selection.

In Photo model, press ◀ to take photo.

In video model, press ◀ to record.

5. ▶ DOWN Key

Short press ▶ to the next selection.

6. ⓄⓀ Key

① On / off recording function
   In video mode, short press ⓄⓀ to start recording, press again to stop recording.

② Take Photos
   In photo mode, short press ⓄⓀ to take a picture.

③ Recording function

In recording mode, Short press 🆗 Turn on / Turn off recording.

④ Browse files

In replay mode, short press 🆗 to play/pause the video files.

⑤ Select Function

In the menu settings, short press 🆗 to confirm or save the selection

OTHER FUNCTIONS

1. TF/Micro SD Card slot

Memory card slot.

2. USB

USB Data interface:

① Connect to PC to transfer data;

② Connect to an external power source to charge the battery or provide power.

SPECIAL FEATURES

1. Motion Detection

With motion detection on. In video mode, if the unit detects a moving object:

① The unit will automatically record and save a 10 second video.

② If the object continues to move, the unit will continue recording.

③ During recording, short press 🆗 to close the motion detection mode.

2. Date and Time settings

In the standby mode, short press 🖼 into setup menu, short press ◀ / ▶ and move to the date options. Short press 🆗 and enter into Date / Time menu settings.

Note：In order to record the date and time of incident effectively, please set the correct date and time before using the unit.

3. Replay Mode

① Browse files:

In video mode, short press three times ⚙ into replay mode, and short press ◀ / ▶ to browse files on the card. The video is able to play/pause, or fast forward/rewind.

② Files settings

In replay mode, short press 🖼 into replay mode menu:

Delete：You can delete a video or picture by selecting "Delete Single" or "Delete All".

Lock / Unlock：You can perform "Lock Protection", "Lock Protection All", "Unprotect File" and "Unprotect All" on the local video or picture. (As a protected file, it cannot be deleted unless it is Unprotected).

Thumbnail：Cancel or Execute to perform thumbnail browsing.

Volume：0/1/2/3/4/5/6, can adjust the volume.

BATTERY USE

① Battery indicator, refer below picture:

| Fully | slightly | low | Not enough |

② The red indicator light on the mirror will turn on during charging and will shut off after the charging is complete, it takes about 3 hours to fully charge the battery. There are three ways to charge the battery,

1: Use the power adapter to charge.

2: Use PC-USB to charge.

3: Use the vehicle power charger.

Note: Please disconnect the power or reset the unit if the system crashes during operation.

PRODUCT SPECIFICATIONS

Language Recording	Multi-Language support
resolution	HD (720P), VGA
Display	2.4" 4:3 TFT LCD Display
Motion Detection	YES, (ON / OFF)
Recording Format	WAV
Video Format	AVI FILE / H.264
Photo Format	JPEG
Transfer speed	USB 2.0
Power Interface	5V, 1A
TF/Micro SD Card Capacity	Max 32GB
Speaker	BUILT-IN SPEAKER
Recording	
Battery	Lithium Polymer 500mAh

TROUBLE SHOOTING

Under normal operating conditions, if the mirror has problems, please refer to this manual:

►Cannot take pictures or videos

Check if the TF/Micro SD card is full. Off load or delete files or replace the card

►Automatically stops when recording

Check TF/Micro SD Card, please use SDHC compatible high-speed card which is marked Class 4 or higher.

► "File Error" appears when in Replay Mode for pictures and videos

Replace TF/Micro SD card or use the "Format" function, to reformat the card.

►Hazy image

Check if the camera lens is dirty or has fingerprints; before recording, make sure the lens is clean.

►Horizontal stripe interference

Check the "source frequency" setting, according to local power frequency, please set at "50Hz" or "60Hz".

► System Crash

When the system crashes , please press reset to button to restart the system.

Note: The company reserves the right to change the design and specifications without notice.