Contents [hide]

Haloview

Haloview BT11 10 Inch Blind Spot Detection Monitoring System

Please read all instructions carefully before using, and keep the manual for future

reference.

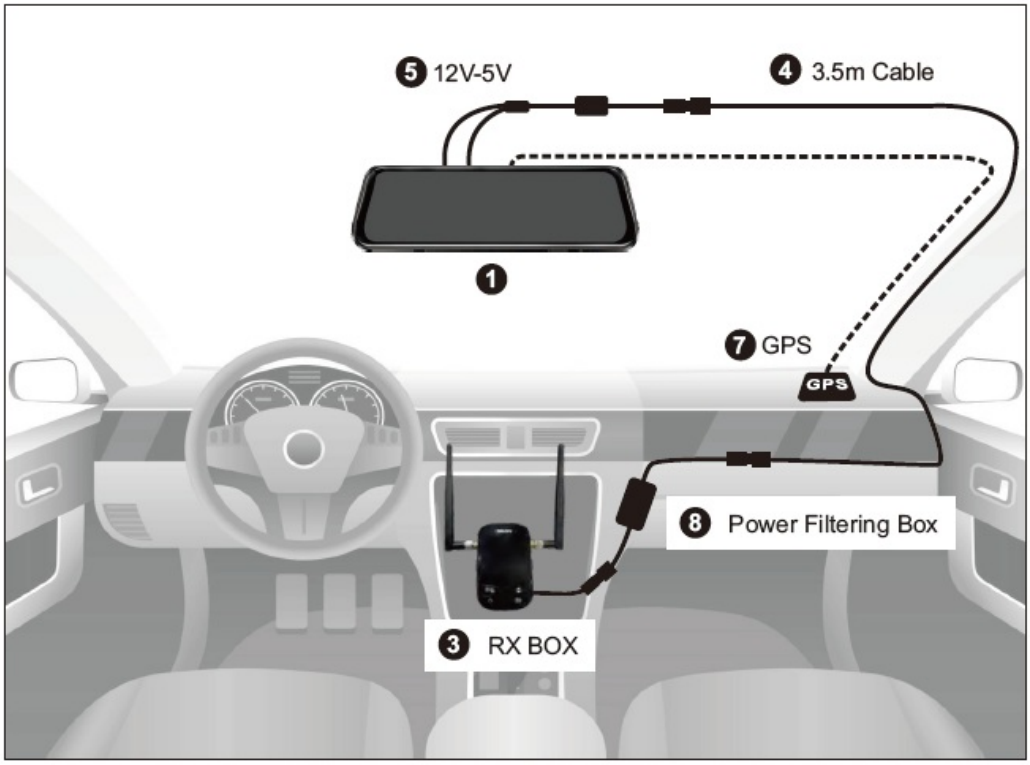
Package contents

	Item	Picture	Description
1	Smart Screen		10"(1280*320) BSD Monitor, support 2 channels of cameras
2	Rear Camera		Wireless 1080P Camera
3	Smart Box		Wireless 1080P Receiver Box
4	Camera Extension Cable		3.5m
5	12V to 5V power conversion box		AV Cable*1 5V Type-C Cable*1
6	TF Card		64G C10/U1
7	GPS		
8	Cable		Power filtering box
9	Bandage		Bandage

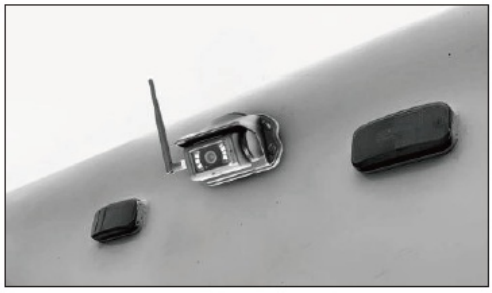
Installation

Installation Method

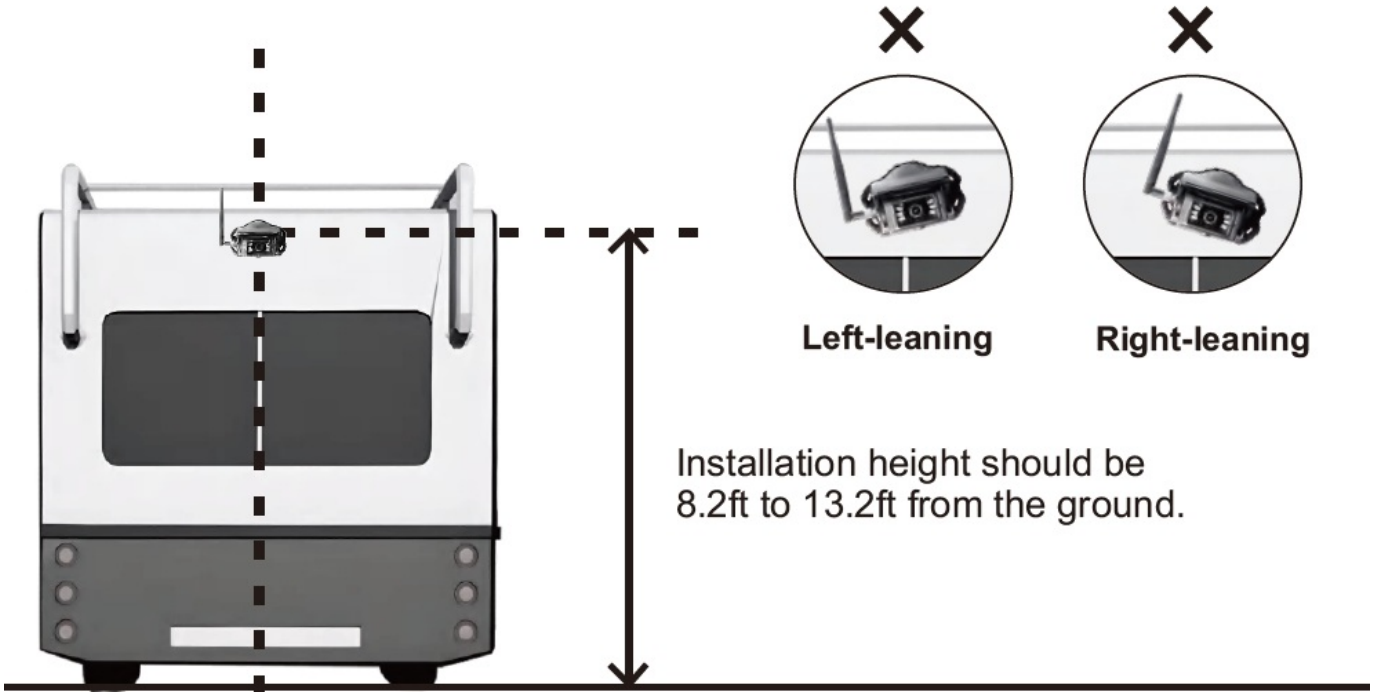
Mount Smart Screen on Rearview Mirror



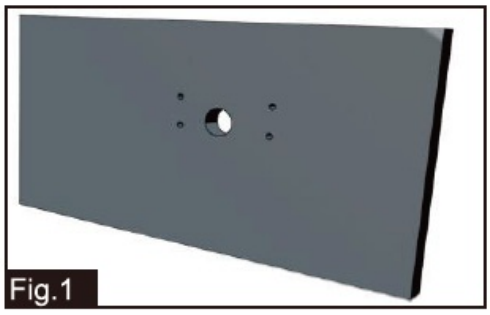
1080P Wireless Backup Camera installation



1. The camera must be installed in a centered position at the rear of the vehicle.
2. Installation height should be 8.2ft to 13.2ft from the ground.
3. Please make sure the camera is in an upright position without tilting to the left or right.



Rear Camera Installation



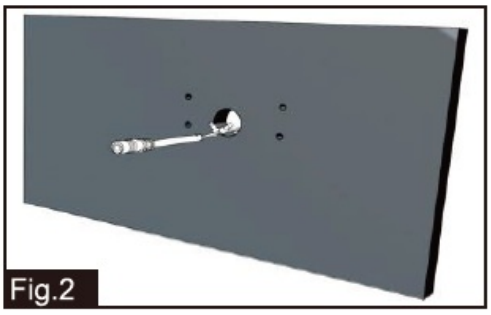


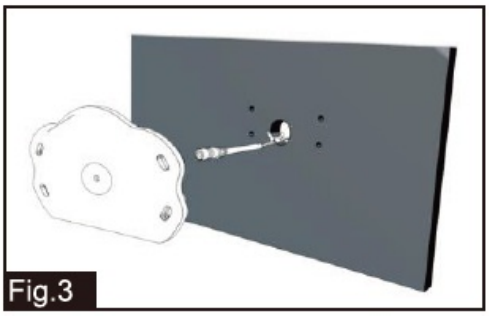
Figure1:

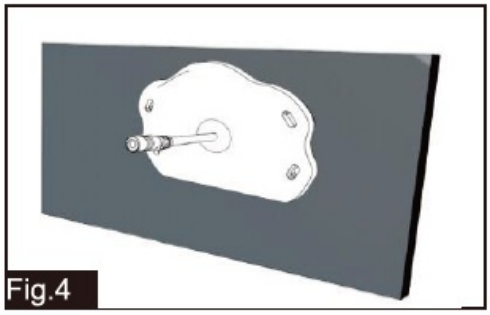
Select a suitable mounting position and drill a center hole on the vehicle wall.

Figure2:

- For prewired trailer and fifth wheel, plug the 3. 5mm to DC power cable.
- For unprewited trailer and fifth wheel, wire the DC to 2P cable with the vehicle circuit. Ensure correct polarity when wiring the cables.

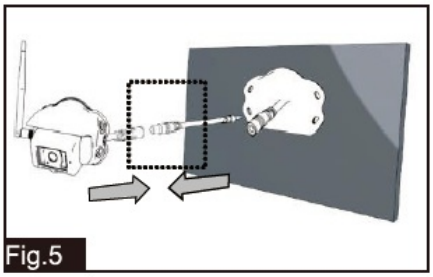
Red + Black –

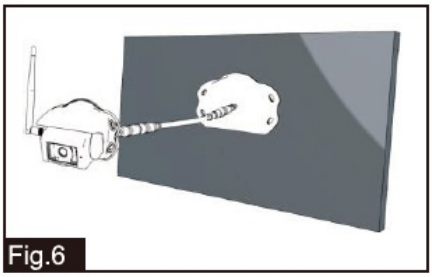




Figuke3/Figure4: Feed the supplied power cable through gasket.

Ensure the bare end of the cable goes into the vehicle and the flat side faces inward.





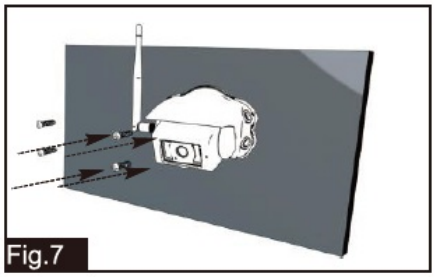
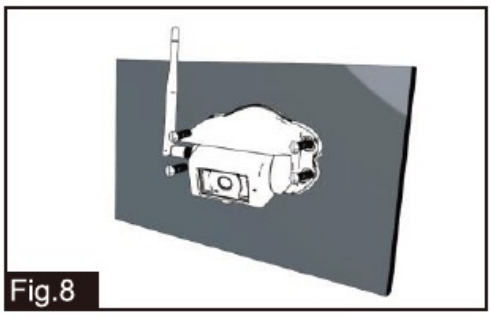
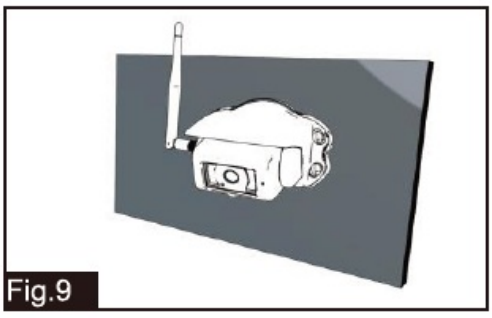


Figure5/Figure6/Figure7/Figure8/Figure9:

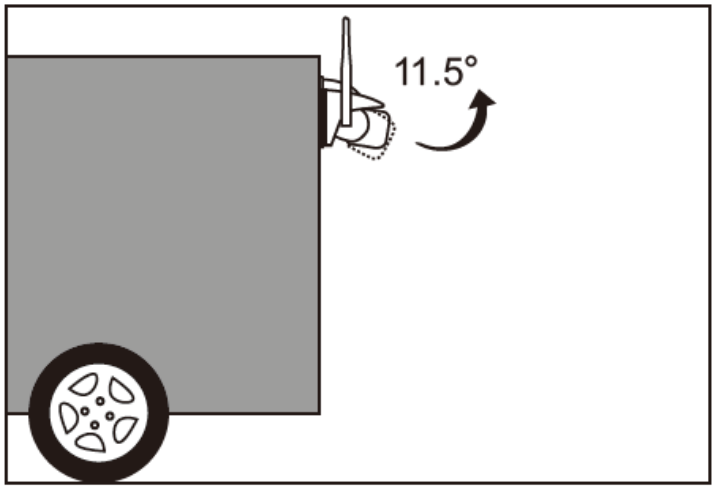
Fix the gasket and bracket to the vehicle, make sure the power cable is not wrapped or extruded.

Make sure the sealing lip around the edge of the gasket is seated over the edge of bracket before fully tightening the provided screws.

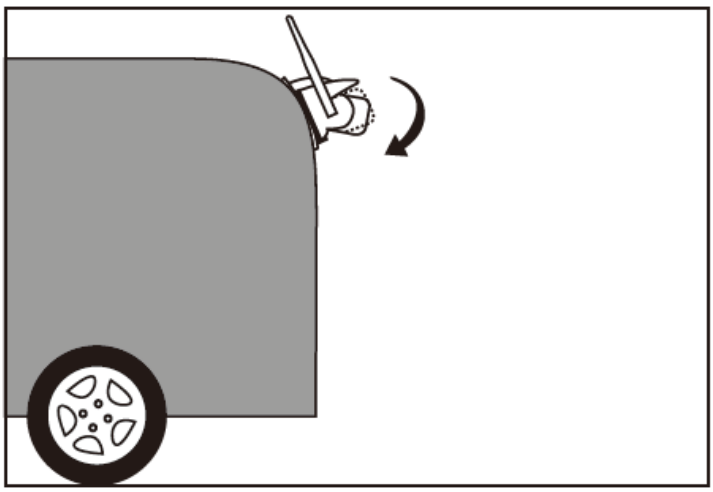




If the camera is mounted in a flat position (camera perpendicular to the ground), the camera angle needs to be adjusted upwards by one notch, roughly 11.5°.

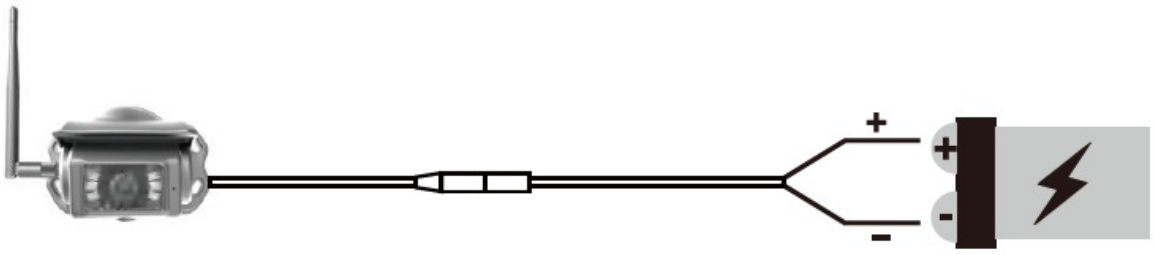


If the camera is installed in a curved or uneven position (the camera is not perpendicular to the ground), the camera angle needs to be adjusted according to the “purple reference line” in the calibration interface.



Camera Wiring Method

Power on the camera by connecting the Red positive wire to 10- 32 VDC power source, Black to Negative/Ground source, and connecting camera plug.



Functions of each part

Screen: BT-M11

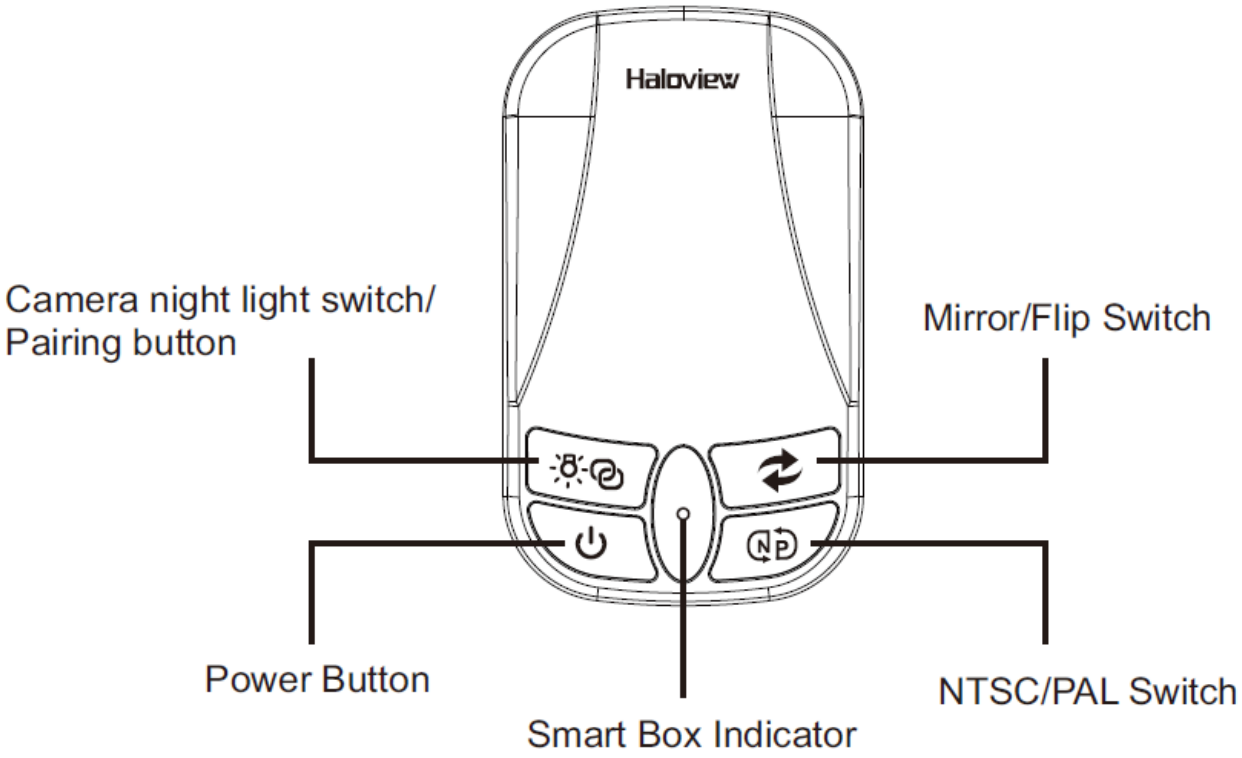
1. Type-C
2. AV IN
3. TC slot
4. GPS
5. Speaker
6. Power button
7. Microphone
8. Camera
9. HD monitor

Power Button:

1. Short press power button to turn on, Short press again to standby the monitor. Touch screen to awake the monitor.
2. Press and hold power button to turn off.

Smart box

BTR100



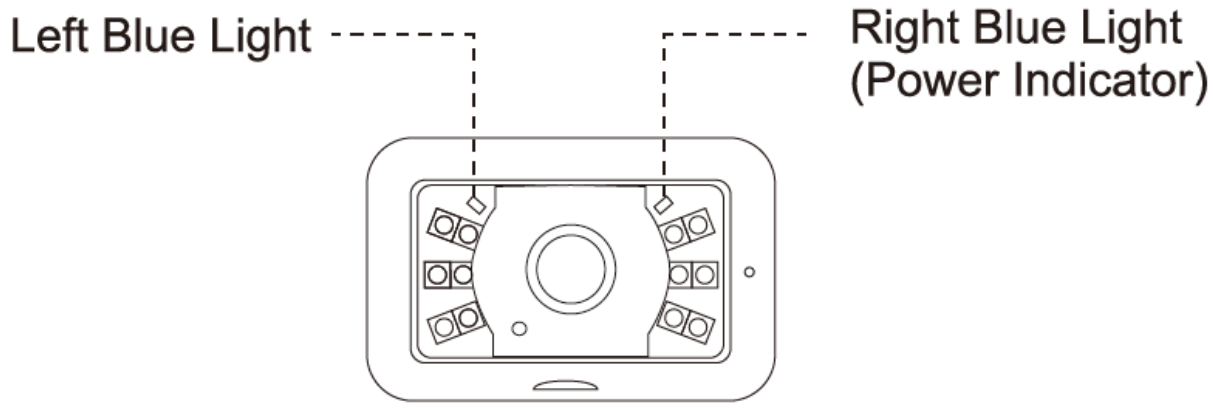
-  Press Power button to turn ON/OFF the smart box. Indicator turns to green when operating. Indicator turns to red when standby.
-  Short press Mirror/Flip button to switch image among mirror/normal/flip/mirror-flip.
-  Press and hold NTSC/PAL button to switch image format between 1080P NTSC and 1080P PAL.

Wrong signal system may result in abnormal image display. Please make sure you select the correct signal system. Pressing and hold the N/P button to switch the signal system.

Indicator Status

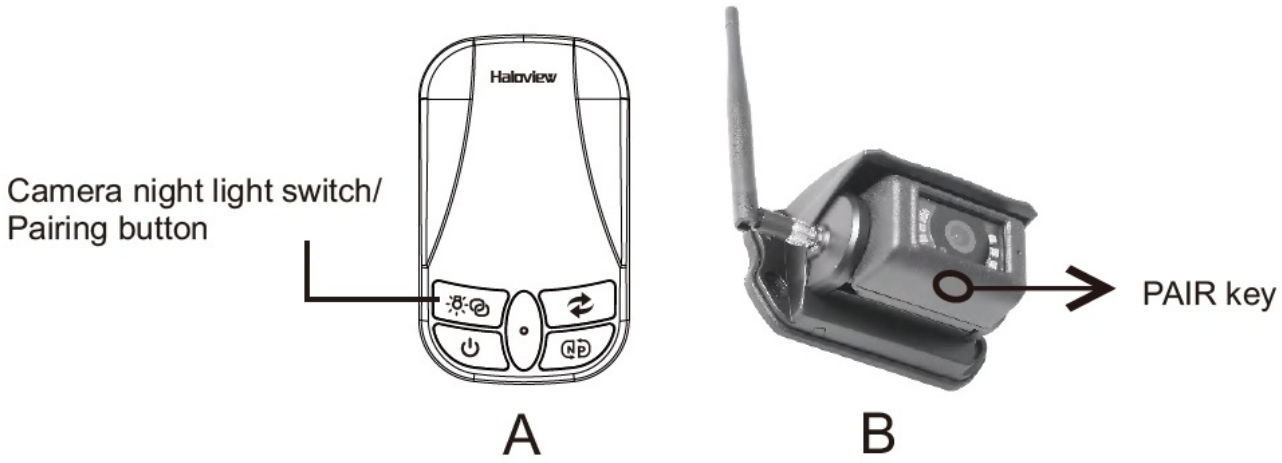
 Short press to turn ON/OFF camera night light. The icon  shown on the left of the screen.

- When night light turned ON, display shows 29′- , camera left blue light ON.
- When night light turned OFF, display shows 9 , camera left blue light OFF.



Note: Once camera night light turned ON, it will automatically light up when there is no sunlight.

Rear Camera Pairing



- A. Press and hold the smart box pairing button for 3 seconds to enter pairing. Smart box indicator blink during 50 seconds pairing countdown.
- B. Press the camera pairing button to complete pairing before 50 seconds countdown ends.

Specifications

Monitor (BT-M11)

	Introduction	Function
	Language	English/Simplified Chinese/Japanese
	Interface	Graphic MENU
	Operation	Touch screen/Push buttonShort press to turn on or standby the monitor Touch screen to awake the monitorLong press to turn OFF
Video Input	Video Input	1080P Dash Cam, 1080P Wireless Backup Camera
	Recording	Default boot recording, no missing seconds
	Recording format	TS, video saved separately, dashcam recorded file and rear view cameras recorded file default 1080P
Display	Real-time display	10″ 1280*320MIPI
	Playback	Local playback can be viewed at any time, or long press the recorded file to delete files.
	Screen Saver	1 minute/2 minutes/off
Storage	SD Card	CLASS10 U1 or above, minimum 64GB, maximum support 128GB
Audio	Microphone	Support audio recording. Audio recording can be set ON/OFF.
Power	Power input	The working voltage is DC11-18V, with vehicle-grade surge, overload, undervoltage, short circuit and other power protection circuits, suitable for various vehicles.
	Working Temperature	-20~65℃
	Mirror	Only Wireless Rear view Camera Supported

Others	Time Setting	Supported
	Brightness Setting	Supported
	Volume Adjustment	Supported

Smart Box (BTR100)

Output Pixels	1920 ×1080
Operation Frequency	2400-2483MHz
Transmission Distance (barrier free)	300m (984ft)
Transmission Power	18dBm
Video Codec	H.265
Spread Spectrum	DSSS
Latency	120ms
RF Bit Rate	12Mbps
Power Supply	DC11~18V

Dashcam

Image Device	1/2.9″ CMOS
TV System	25fps/30fps
Effective Pixels	1920×1080
Pixel Size	2.8umx2.8um
Video Output	10bits MIPI
Scanning System	Progressive Scanning

Sync. System	Internal
Gamma Consumption	0.45
AGC	Auto
White Balance	Auto
BLC	Auto
Electronic Shutter	Electronic Rolling Shutter

Viewing Angle	135°
LED	No
Power Supply	DC10~32V
Minimum Illumination	0.5Lux
Operating Temperature	-20℃ ~ 70℃, RH95%MAX.
Storage Temperature	-30℃ ~ 80℃, RH95%MAX.

Wireless Backup Camera (BTC128)

Image Device	1/2.9″ CMOS
TV System	25fps/30fps
Effective Pixels	1920×1080
Pixel Size	2.8um×2.8um
Video Output	8bits YUV
Scanning System	Progressive Scanning
Sync. System	Internal

Gamma Consumption	0.45
AGC	Auto
White Balance	Auto
BLC	Auto
Electronic Shutter	Electronic Rolling Shutter
Operation Frequency	2400-2483MHz
Transmission Distance (barrier free)	300m (984ft)

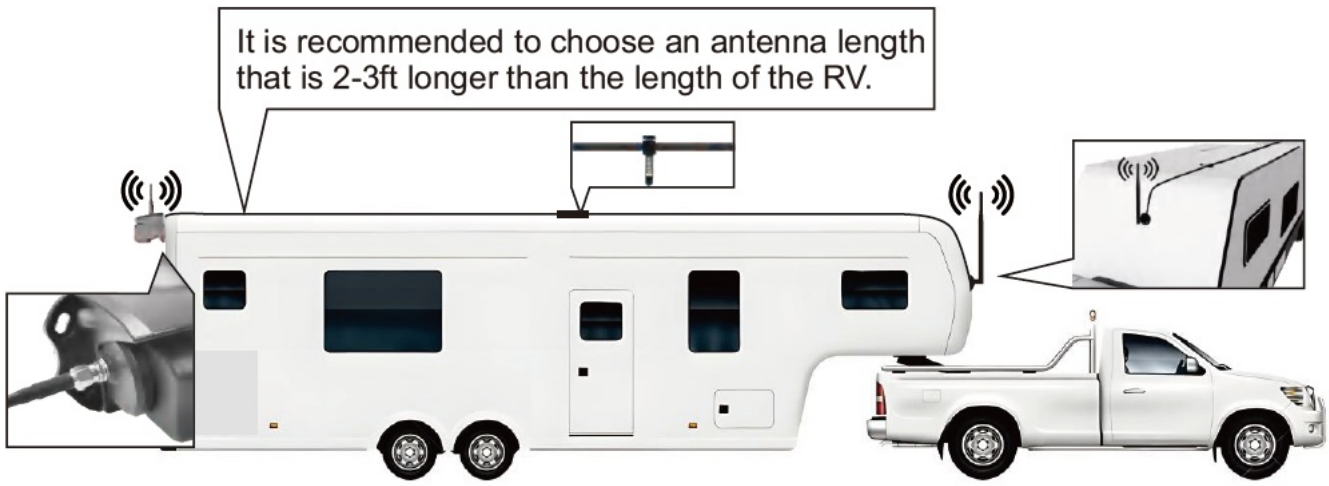
Transmission Power	18dBm
Video Codec	H.265
Spread Spectrum	DSSS
Latency	120ms
RF Bit Rate	12Mbps
Minimum Illumination	0Lux
Power Supply	DC10~32V
Night vision distance	8~10m (26-32ft)
Waterproof rating	IP69K
Viewing Angle	120°
Audio	Yes
LED	12 x LED
Operating Temperature	-20℃ ~ 70℃, RH95%MAX.

Transmission Distance (barrier free)	-30℃ ~ 80℃, RH95%MAX.

The quality of the SD card has a great influence on the stability of the video recording. In order to record the video safely, please choose the best SD card such as SanDisk, Kingston, Toshiba and Samsung. The speed must be at least Class10/ U1.

Notice:
SD card must be formatted by the device before using.

Image freezing may occur when the vehicle is 42-65ft long and the antenna is mounted in a poor location (the antenna is not placed on the roof of the vehicle or there is obstruction around the antenna). In this case, it is recommended to purchase the Haloview A-10m, A-13m or A-15m antenna extension cable and place it on the roof without any obstacles.



To achieve better signal, it is recommended to purchase the Haloview antenna extension cable and place it in front of the RV where near the roof without any obstacles.

Functions

1080P Wireless Backup Camera Calibration

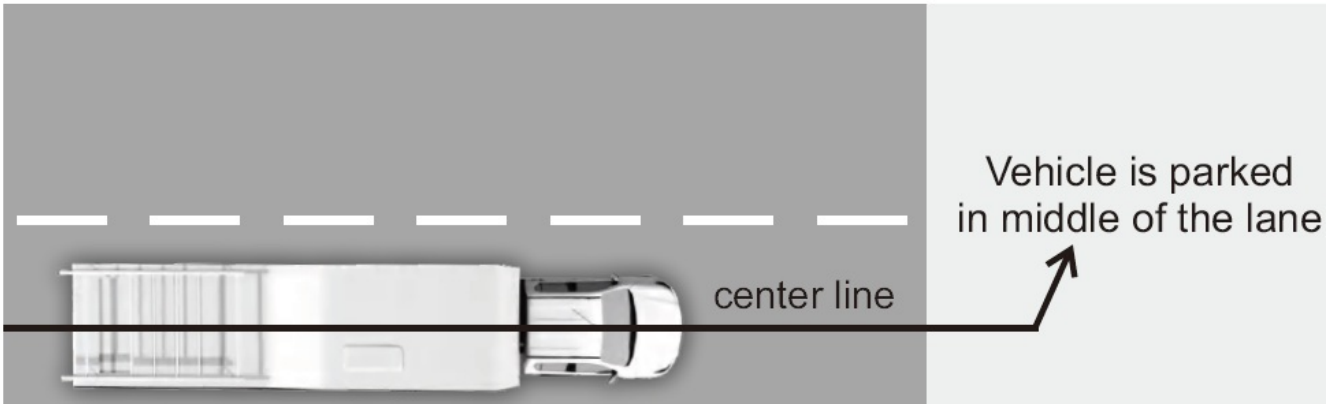
Tap 

to enter BSD calibration after cable connection.

Auto Calibration

Auto calibration can be performed in either of the following situations. Please follow local traffic rules while handling BSD setting.

1. Vehicle is parked on the centerline of either of the two-lane road. Or Vehicle is parked in the middle of the three-lane road.
2. When driving in the middle of a three-lane road, you can have a co-passenger assist in the auto calibration.



3. Please make sure line 1 is the center line of the lane, and line 2 overlap with the skyline.

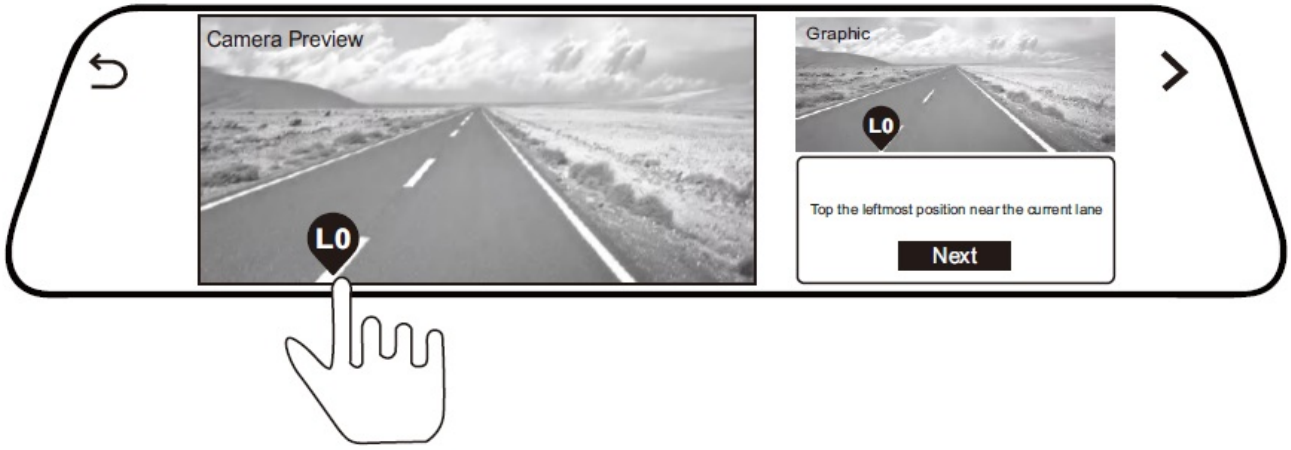
4. Tap Calibration to automatically identify and generate detection zones. After Calibration Successfully, the display will return to the main window.

Tips: If there are conditions, it is recommended to calibrate the device when driving in the middle of a three-lane road. You can have a co-passenger assist in the auto calibration. Be sure to observe local traffic rules during auto calibration.

Manual Calibration

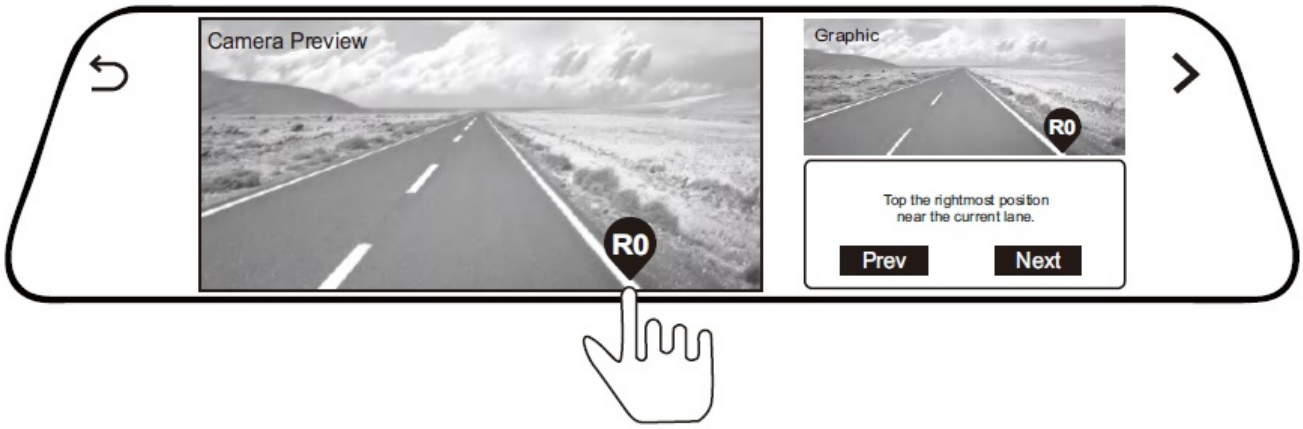
The device will enter manual calibration if auto calibration failed.

1. Tap L0 — the leftmost position near the current lane.



2. Tap L1–the leftmost position in front of the current lane.

3. Tap R0–the rightmost position near the current lane



4. Tap R1–the rightmost position in front of the current lane.

5. After Calibration Successfully, the display will return to the main window.

Use Default Values

When calibration failure, the device will enquire whether to use the default value?

1. If NO is selected, the device will reenter manual calibration.
2. If Yes is selected, the device will use the default detection recognition area.

Notice: When using default value, the detection area does not fit perfectly with the lane lines, which may result in false alarms. It is recommended to re-calibrate automatically or manually if conditional.

BSD Function

Scene A:

Right Side Overtaking Warning

Right side red LED strips flashing with warning tone ‘ Ting Ting Ting ’ Watch out for vehicles on the right. Keep in lane.

Scene B:

Left Side Overtaking Warning

Left side red LED strips flashing with warning tone ‘ Bong Bong ’ Watch out for vehicles on the left. Keep in lane.

Scene C:

Left Side&Right Side Overtaking Warning

Both sides red LED strips flashing with warning tone ‘ Bong Bong ’ and ‘ Ting Ting Ting ’ Watch out for vehicles on the both sides. Keep in lane.

Features

1. Rapid algorithm response. The response time from detection of a vehicle to submit an alert is less than one second.
2. Automatic filtration for the vehicles in the opposite direction. Vehicles driving in the opposite direction will not trigger the warning.
3. Please enable BSD above 18MPH or 30MPH to avoid being alerted constantly when parking or driving at low speed.
4. If calibration is not done, the device will not submit alert respond.

Screen Function

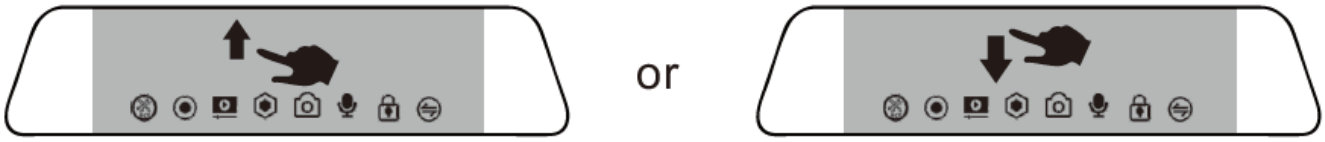
1. The viewing angle can be adjusted by swiping up and down the left and right areas of the display in full-screen.

2. Tap the middle area of the display to switch from single image to split image.

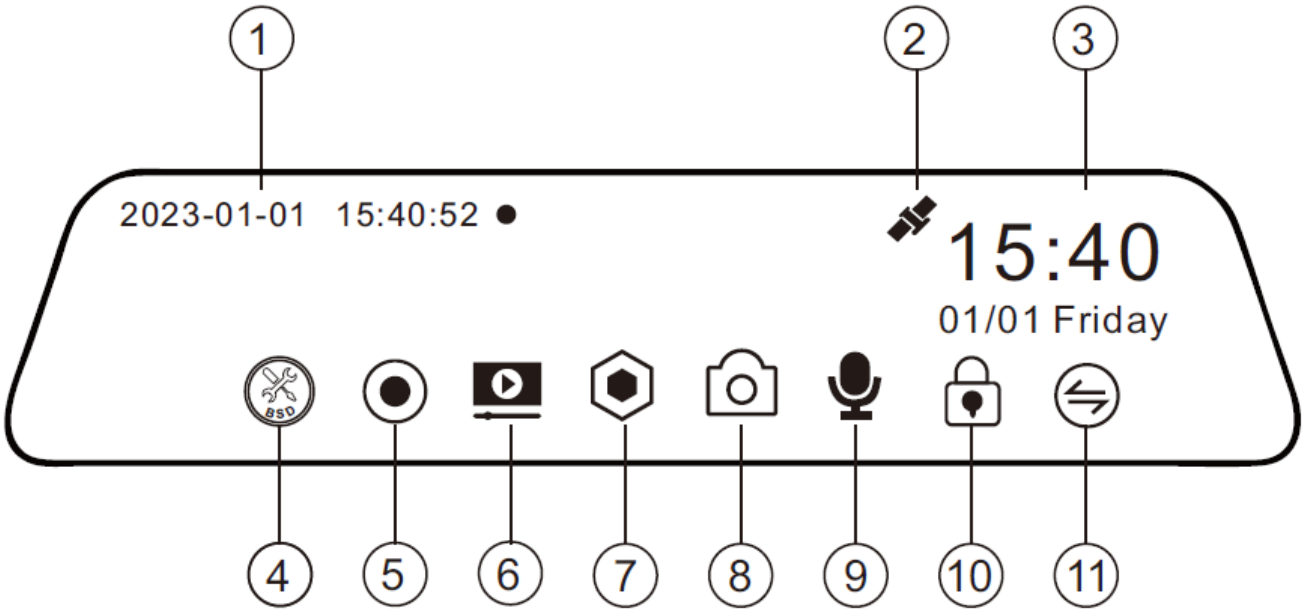
3. In split display, tap CH1 to enter channel 1 full screen, and tap CH2 to enter channel 2 full screen.

4. In split display, swiping left and right to switch the position of CH1 and CH2.

5. Whether in split display or single display, slide the middle area to call out the menu or retrieve the menu.



Menu



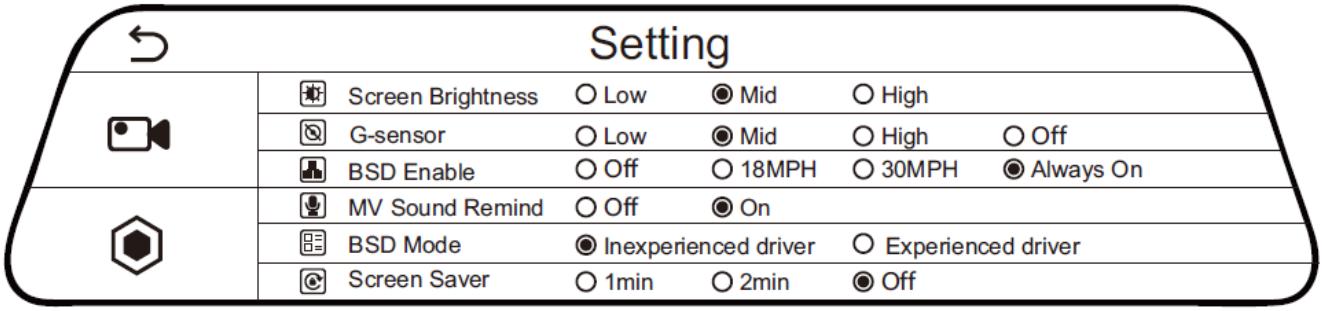
Insert the SD card, after formatting, the system will automatically enter recording mode

1. Recording Time
2. GPS
3. Time and Date
4. BSD Calibration
5. Start recording or Pause recording
6. Play File
7. MENU
8. Capture
9. Turn ON/OFF microphone in recording
10. Lock current recorded video file (Note: Automatically exit the lock state after 30 seconds)
11. Switch display among dashcam-rearview camera-split 1-split 2

Tap 

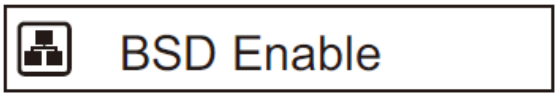
to enter BSD calibration after connecting all the cables of the device.

Tap  to enter MENU.



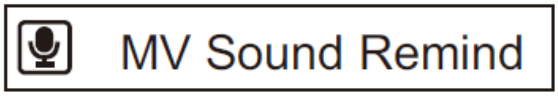
1. 

Screen Brightness can be set Low/Mid/High.
2. 

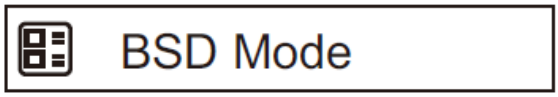
G-sensor sensitivity can be set Low/Mid/High/Off. G-sensor is used to lock current recorded video file to prevent it from being overwritten when a collision occurs.
3. 

BSD Enable can be set OFF–18MPH–30MPH–Always On. It is not

suggested to set BSD Always ON, otherwise, you will receive constant alerts when parking or driving at low speed.

4. 

BSD alert sound can be set ON/OFF. It is not suggested to turn off the alert sound for safety reasons.

5. 

Inexperienced driver/Experienced driver

The device filters some of the alarms when Experienced Driver mode is selected.

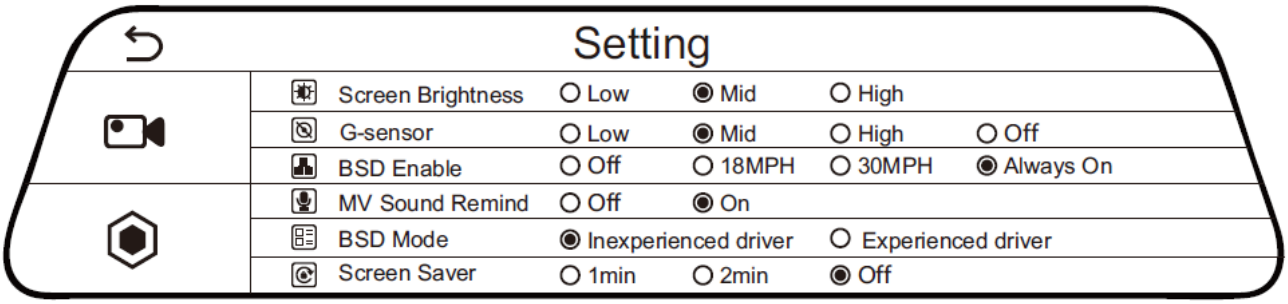
1. Alarm signals from vehicles in the opposite direction approaching the warning area will be filtered.
2. Alarm signals of non-adjacent vehicle overtaking will be filtered.
3. When actively overtaking, the alarm signal of the overtaken vehicle entering the warning area will be filtered.

6. 

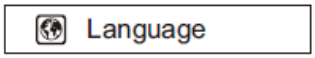
Screen saver can be set off/1/2 minutes.

If you set 1Min, the screen will automatically turn off after 1 minute of no operation. Tap the screen again or press the power button to awake the screen.

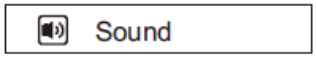
Screen Saver is Default OFF.



Notice: The software version is for reference only. The version may be continuously updated.

7. 

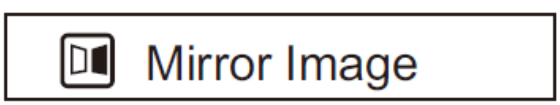
3 languages selectable.

8. 

Speaker sound can be set Low/Mid/High.

9. 

Set the content displayed in the upper right corner of the screen: speed+direction+clock, speed only, clock only, off.

10. 

Set the rear view camera image original or mirror.

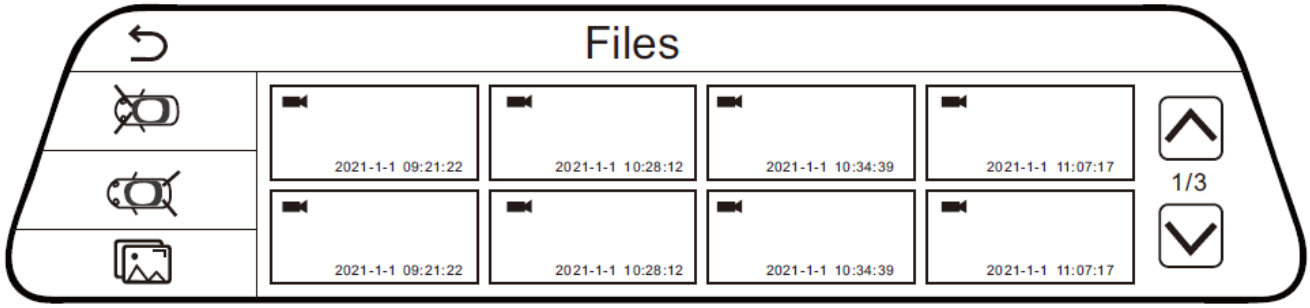
It is suggested to set it OFF, otherwise the “No Signal” characters will be flipped. You can mirror the image by pressing button on the BTR100 smart box.

11. System setting

    1. Format SD card. New SD card must be formatted before using.
       Notice: If using 128G micro SD card, you may need to wait a minute while formatting.
    2. Tap Factory to restore default factory settings.
    3. Please set the value according to the time zone of your location, for example, choose UTC-5 for Washington,USA.
       Tips: If Auto Select Time is selected, the device will automatically updated to Hong Kong, China time.
       If your local time zone is not in the list, Please set it manually in Manual Time.
       Note: The manual time setting will be memorized by the device’s built-in battery. If the device is not used for a long time, you may need to reset the time manually.

12. software version Current software version.

C Tap to enter recorded file replay.

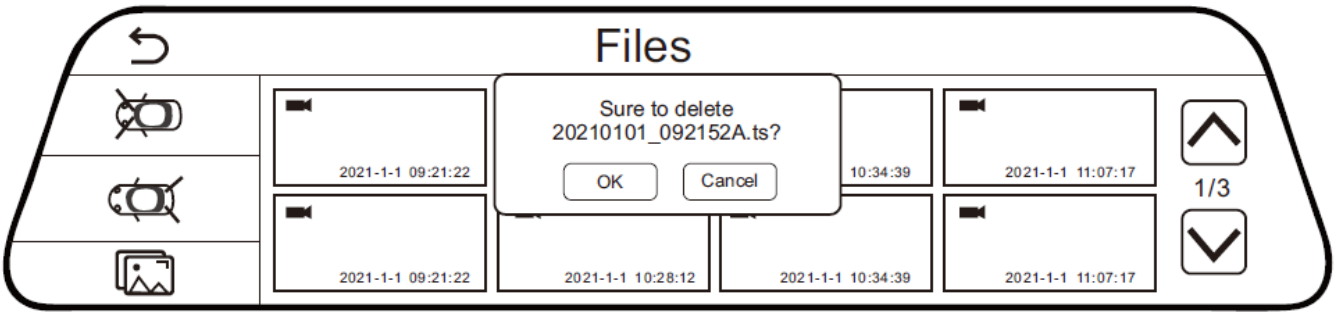


1. are recorded files of dashcam.
2. are recorded files of rear view camera.
3. are captured pictures.

Notice: Tap the on the screen to capture a picture. Please pause recording

before capturing a picture. Tap to pause recording.

4. Press and hold a file to delete it.



Notice: File cannot be deleted if it is locked.

Two ways to lock files:

1. Tap to lock current recorded file. File will not be overwritten or deleted if it is locked. 2. Automatic locking by G-sensor. The sensitivity of G-sensor can be set in menu.

Tap to Switch display among dashcam, rearview camera, split 1, split 2.

Microphone

Microphone in the screen can be set ON/OFF. If microphone is turned on, the dashcam and rear view camera will record videos with audio.

Troubleshooting

Symptoms	Possible Causes/Solutions
No Alert Sound	Check whether BSD Sound is turned on in setting.Calibration failure. Please try calibration again.

Cannot Capture a Picture	Tap  to pause recording before capturing
Cannot Recording	Please enter menu to format the SD card, if it still does not work, change a SD card.
Cannot enter BSD Calibration	Please make sure that the AV IN is connected to the headphone port and the device has been switched to the rear view camera display. The BSD calibration icon is only displayed in the channel of rear view camera.
BSD alert does not alarm correctly	Please check if the BSD calibration has been completed, please refer to the BSD calibration page to complete the calibration operation.
No speed data displayed	Please check whether the GPS is connected, GPS can search for satellites in ourdoors. GPS may not be able to search for satellite signals in underground parking lots or in the presence of obstructions.
Black Screen	Please check whether the screen-saver is turned  on Screen Saver

FAQ

- **Q: What should I do if the camera is not perpendicular to the ground after installation?**
  A: Adjust the camera angle according to the purple reference line in the calibration interface to ensure proper alignment.
- **Q: How do I power on the camera?**

A: Connect the Red positive wire to a 10-32 VDC power source and the Black wire to a Ground source to power on the camera.

Documents / Resources

	Haloview BT11 10 Inch Blind Spot Detection Monitoring System [pdf] User Manual BT-M11, BTR100, BTC128, BT11 10 Inch Blind Spot Detection Monitoring System, BT11, 10 Inch Blind Spot Detection Monitoring System, Blind Spot Detection Monitoring System, Spot Detection Monitoring System, Detection Monitoring System, Monitoring System, System

References

- User Manual

Haloview

10 Inch Blind Spot Detection Monitoring System, Blind Spot Detection Monitoring System, BT-M11, BT11, BT11 10 Inch Blind Spot Detection Monitoring System, BTC128, BTR100, Detection Monitoring System, Haloview, Monitoring System, Spot Detection Monitoring System, System

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