

# USER'S MANUAL

## BCAM20

VEHICLE DASH DVR SYSTEM  
FEATURING 1.5" (38mm) LCD SCREEN



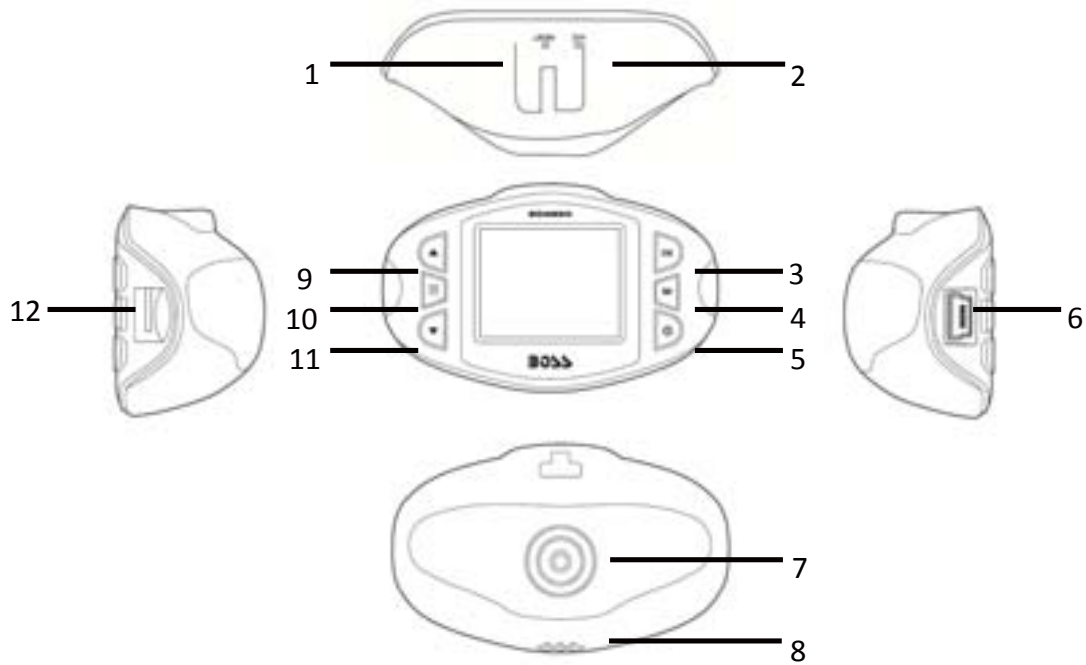
**BOSS**<sup>®</sup>  
AUDIO SYSTEMS

**User's Manual BCAM20 PLEASE READ BEFORE INSTALLATION**



1. This product should be installed in a location that will NOT interfere with any or a combination of: Driver's eyesight, Airbags or any other safety restraint system.
2. Keep the product away from strong magnetic fields, which may cause damage to this product.
3. The MicroSD™ needs to be formatted before use.
4. The SD Card used in this product is not intended to store any other files. Promptly back up important videos and images.
5. When formatting/and or use of the SD card, do not disconnect the power supply, or insert/remove the SD Card. This will result in data being corrupt and or erased.
6. To prevent electric shock, do not use the device in an area where high moisture or humidity is present.
7. Do not use the BCAM20 in temperatures above 140°F or below 0°F.
8. Only use the dedicated charger and related accessories compatible with this product.
9. Dispose of properly, do NOT dispose in landfill.

## Description



**1. Reset**

**7. Camera**

**2. Microphone**

**8. Speaker**

**3. “OK” Button**

**9. “UP” Button**

**4. Mode**

**10. Menu**

**5. Power**

**11. “DOWN” Button**

**6. USB (Power Adapter)**

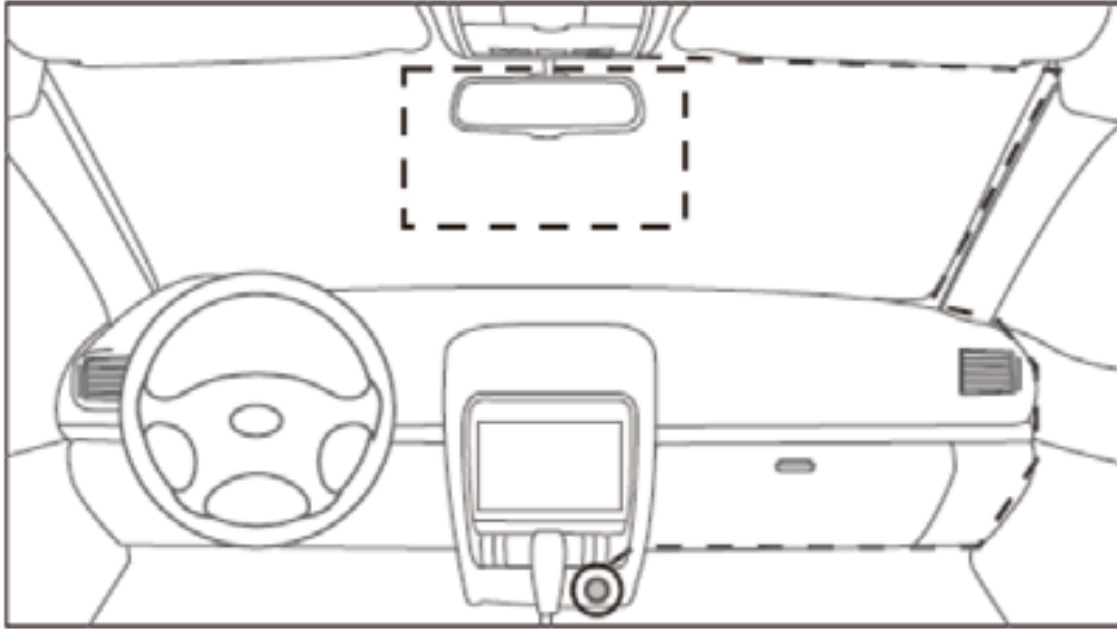
**12. MicroSD™ Card Slot**

## Installation

1. Use a lint-free cloth to wipe off dust on the location of the windshield where you want to install the product.
2. Remove the protective film from the bracket suction cup, and place it on the windshield. It is recommended the BCAM20 be placed as high and close to center as possible. Take note, the BCAM20 should not be placed in any place where it might prohibit safety or restraint systems from operating properly.
3. Attach the BCAM20 to the window bracket.
4. It is recommended to run the wire along the top of the headliner, down the passenger A-Pillar\* and toward the power input. DO NOT POWER ON yet.
5. Power on the BCAM20 and align camera on center.
6. Ensure all the adjustments on the bracket are tight and secure before the vehicle is moved.

**\* If the vehicle is equipped with an airbag(s) on the A-Pillar, carefully place the wire where it will NOT prohibit the airbags from inflating. If you are uncertain or uncomfortable with continuing the install, seek a professional installer.**

## Installation (CONTINUED)



### Button Functions

Mode Button	Video Recording	Photo	Playback
Power	ON/OFF	ON/OFF	ON/OFF
Menu	Recording in progress Stop Recording:Setting	Setting	Setting
OK Button	Start recording/ stop recording	Take a photo	Confirm
DOWN Button	Zoom Out	Zoom Out	Next file
UP Button	Zoom In	Zoom In	Previous file
Mode Button	Stop Recording: Switch Mode Lock Video (will not delete on loop recording)	Switch mode  Press 2x to return to Video Mode	Switch mode

## **Power On/Off**

### **Auto On/Off**

1. When the 12V adapter is plugged in and powered on, the BCAM20 will auto power on.
2. When the power is removed from the 12V adapter, the BCAM20 will power off.

### **Manual On/Off**

1. To Power On, PRESS and HOLD the Power button for 2 sec
2. To Power Off, PRESS and HOLD the Power button for 2 sec

### **Indicator LEDs**

1. Charging/ (Powered On): RED
2. Recording: The Blue LED will flash when recording.

## Event Data Recording

The BCAM20 will begin recording every time the camera is powered ON.

1. Focal length of the lens: in the recording interface, press “UP” / “DOWN” Button to adjust the focal length of the lens, 1.0X- 4.0X, (0.1x increments)
2. Loop recording: Enabled by default, time length of the recording is set to 1min.

## Emergency Video Recording

To lock the previous segment and next segment of the current video segment as an emergency video:

1. Press “MODE” two times to lock the video loop that is being recorded, the loop length can be set. (Default is 1 min)

Note: The timeframe of the current video is that of the loop recording.

2. Emergency Video Recording: Will enter emergency recording when the G-Sensor has reached its set value\*

Note: The timeframe of the current video is that of the loop recording.

**\*G-Sensor by default is set to NORMAL**

## Menu

Video: 1080P/24fps > 720P/30fps

Date Stamp: Off /On

Audio Record: Off /On

EV: - 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

Motion Detect\*: Off /On



## Settings

Format: Will delete the contents and format the MicroSD™ Card

Language: English, Spanish, Portuguese, French

Beep: On/Off

Auto Off: 2 min, 3min, 5min, Off Screen Off: 1 min, 3min, 5min, Off

G-Sensor: Low, Medium, High, Off

Light Frequency: 50/60 Hz

Date Format: MM/DD/YY

Date Input: Adjusts Date

Time Input: Adjust Time

System Reset

\*Motion detection: the motion detection can recognize changes in image within a selected zone, detect the presence of a moving object while eliminating light interference. The motion detection function can automatically record and save in case of any scene change, which can be used as a parking monitor. Battery must be charged for this feature to properly function.

## Modes

### Camera

1. In Video Mode (Recording Stopped) or Playback Mode, press the **MODE** Button to switch, press the **OK** button at the top right of the unit to take photos.

### Playback

1. To view the files:

OK Button: Play/Pause

UP Button: Previous file

DOWN Button: Next file.

### Playback Setting

In the playback interface, press the Menu button at the right of the unit to enter the playback Settings:

Delete: You can choose to delete Current File, ALL, or Cancel, and press the OK to confirm.

Protect: Lock or Unlock videos. You can choose to set current (Lock the Current file)

Cancel current (Unlock the Current file)

Set ALL (Lock All files)

Cancel ALL (Unlock All files)

Cancel (Cancel Protection setting and return), press OK to confirm.

Volume: Adjust the volume of the system via UP/DOWN buttons.

Press OK to confirm.

Thumbnail: View files

## **Specifications and Parameters**

LCD Screen: 1.5" TFT

Lens: 120° Wide-angle

Language: English / Spanish / Portuguese / French

Video Resolution: 1920 x 1080P (24 fps) / 1280 x 720P (30 fps)

Video Format: AVI

Image Format: MJPEG

Memory Card: MicroSD™, 32GB (Max. Capacity) Format: FAT32

USB Interface: USB 2.0

Power Input: 5 VDC

Battery: 120 mAh Li-Ion