BOYO®

Vision Tech America

VTR419GW
Ultra HD 4K Dash Camera
User Guide

Please read and follow all instructions and
features before use. Save for future reference.

4K

BOYO

Dual lens   **TOUCH**   **WIFI**   **GPS**   **3.0INCH**

GET IT ON
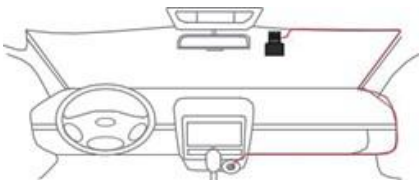**Google Play**

Download on the
App Store

Caution

◆ Using a Dashcam may be subject to local and state laws. Please consult your local and state laws before use.

◆ Subject to interference. For best performance, install the Dashcam away from radio interference emitting devices.

◆ Change default settings before use. For example, change date and time to your local time.

◆ Avoid direct sun light and hot temperature in an unventilated space. Operating environmental temperature range is -22°F ~ 158°F.

Battery Warning

◆ Use the charger and USB adaptor only provided in the package. Using any other charger or USB adaptor may damage the battery and cause failure of the battery.

◆ DO NOT open, expose, or remove the internal battery.

◆ DO NOT attempt to replace the internal battery.

◆ DO NOT dispose of Dashcam in fire. Dispose Dashcam according to your local electronics and batteries disposal regulations.
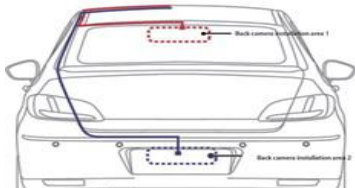
Box Contents

Dashcam	Rear view Camera	12V Adapter	User manual

Installation Notes

1. Installation location: Install your Dashcam near the rear-view mirror at the top center of the windshield for wide front view of the vehicle.

2. Unobstructed view: Make sure that Dashcam lens is positioned behind the windshield a wiper area to see through the windshield on rainy and snowy days.

3. For image clarity. Do not touch the lens with your fingers and check the lens regularly for dust gathering. It may leave fingerprints on the lens and will result in blurred videos or photos. If photos or videos are blurred, please clean the lens gently with a microfiber cloth.

4. Clean install: Wires should run behind the panels and be tied. Visible and loose wires look unprofessional and may be hazardous. When in doubt, request a professional installation.

1. Product overview

1- Speaker   2- 3M sticker   3- Lens   4- GPS

5- Touch screen   6- Port for rear cam   7- USB power

8- USB / MicroSD / Reset   9- Indicator light

10- Power button 2. Operations VTR419GW is equipped with

FULL TOUCH SCREEN.

To switch between front and rear-view camera, touch middle-right region (B) of the screen. To bring up the main menu, touch middle-left region (A) of the screen. To take a photo, slide the screen from left to right.

- ◆ Red Dot: Recording
- ◆ GPS no signal GPS signal connected
- ◆ : Audio recording enabled or disabled
- ◆ : Wi-Fi enable or disabled
- ◆ : Battery status

4

2.1. Main menu	touch the main menu to enter sup-menu ▶: Start recording ■: stop recording 🎤: Microphone on/off 📶: Enable/Disable Wi-Fi ▦: Playback recorded video ▦: Setting menu.
2.2. ▶ ■	Stop Recording / Start Recording
2.3. 🎤	Audio On/Off
2.4. 🔒	Emergency Recording 10 seconds of video will recorded
2.5. 📶	Enable / Disable Wi-Fi connection (Live Mode)
2.6. ▦	Recorded Video Playback (Recording is stopped) ①: front camera videos.②: front camera emergency videos. ③: front camera photos.④: back camera videos.⑤: back camera emergency videos. ⑥: back camera photos.◀: back to recording interface

2.7 VTR419GW Settings

Setting	Options
Resolution: Record settings for Front Camera only Rear View Camera records 1920x1080@30fps	4KP25, 2KP30
Video Encode:Video compression algorithm.	H.264, H.265
Screen Saver:Turn screen off after 1 or 3 minutes of no usage	Off, 1Min, 3Min
Antiflicker Mode:Video image may flicker due to lighting source	50Hz, 60Hz
Impact sensitivityImpact sensitivity – start recording on impact	Off, Low, Middle, High
Parking Mode:Impact sensitivity – start recording on impact when parked.	Off, Low, Middle, High
Date Format:Date / time display format	YY-MM-DD, DD-MM-YY, MM-DD-YY
Audio Recording	On, Off
Volume:Speaker volume	Mute, Low, Middle, High
Loop recording:Save video in 1Min, 3Min or 3Min clips. Loop recording will over-write the oldest file first when memory is full.	Off, 1Min, 3Min, 3Min
Set TimeSet to local time – display/stored with video	Set to local date and time.
License plate settingVehicle license plate – stored	Enter vehicle license plate

with video	number
Time Zone Setting:Local time zone – stored with video	Set to local time zone.
Language:	English, Chinese, French, Japanese, Spanish, Dutch
Format SD	Erase SD content
Flips video image:Flips video image – horizontally & recorded for rear camera	Off, On
GPS Info:GPS reading – stored with video	
Reset System:Reset to factory default settings	
Motion detection sensitivity:Motion detection is used to pause recording when no Motion is detected in front of the camera, and to start recording when motion is detected again.	Off, Low, Middle, High
AboutShowing firmware version number	

3. Mobile App: RoadCam/Roadcams Purpose of a Mobile App is to allow a user to

◆ view live,

◆ review recorded video or photo, or

◆ download selected video or photo

3.1 Download RoadCam/Roadcams

RoadCam/Roadcams is available from Apple app store or Google play store. Or use the following QR code to download.

3.2 Connecting RoadCam/Roadcams to Dashcam

← WLAN WLAN View help ⬤ More settings › AVAILABLE NETWORKS VTR59684A426 📶 Connected (no Internet access) pro-inno 📶 Saved, encrypted (available) ChinaNet-2yHS 📶 Encrypted CLD ⑩ 📶 Encrypted (WPS available) ChinaNet-wXgy 📶 Encrypted (WPS available)	1. Verify that VTR419GW has the Wi-Fi enabled 2. From your mobile device, go to Wi-Fi connection 3. Select Network SSID which starts with "VTR" (e.g. VTR419GW) 4. Enter password "12345678" (default) or the changed password

3.3 Start an app

8

Main Screen To connect to Dashcam: Click the camera button with Wi-Fi ID

Community: To connect to your Dashcam community to share driving footage.
Album:
  A list of videos / photos downloaded
  Mine: Roadcam/Roadcams ID

3.4 Live view screen

📷	Switch between front and rear camera
⤢	Full Screen mode
▷	Playback recorded video
👤	Review photos
🎥	Video mode
📷	Photo mode Photo mode is used to capture the still image using your Car DVR
⚙	VTR419GW Device Settings
exit	Disconnect from Dashcam

3.5 Playback

9

	Recorded Videos To playback – click on a video To download or delete – • click "select" • click one or more videos • click to download • click to delete
	Video Playback Click from the video clip list to playback
	Photos To playback – click on a video To download or delete – • click "select" • click one or more videos • click to download • click to delete

3.6 VTR419GW Settings

Microphone	⬤
Date stamp	⬤
Cycle record time	3MIN >
video_coding_format	H264 >
G-Sensor sensitivity	LOW >

When the vehicle collides, the video is not covered automatically when it is hit, it is used to provide the basis for the accident.

Flip	◯
Volume	MIDDLE >
Screensavers	OFF >
Button sound	⬤
WiFi Setting	
Formatted recorder	
Firmware version	1.0.0.20200819

Microphone Turn on / off the audio recording

Date stamp
  Turn on / off the date stamp overlay

Cycle record time
  Recording file duration

Video encoding format
  Video compression

G-Sensor sensitivity Impact sensor sensitivity – set to high if emergency recording to occur and low impact

Video H-Flip On if video images to record left and right f lipped (rear view)

Screen saver
  Off, 1Min, 3Min

Button sound
  On / Off

Wi-Fi setting
  Change Wi-Fi password

Format microSD
  Erase recordings

4.USB Connection

A USB Connection to a PC is provided for

- direct memory access for video and photo download,
- use VTR419GW as a UVC Camera
- charging VTR419GW

These require USB 3.0. See 1. Product Overview item #8 for USB
port location.

When USB is connected to PC, the screen appears

Touch to select a feature:

USB Storage works like other mobile devices.   A drive folder will
open, and a user can download or delete videos and photos.

PC Camera works as a UVC camera. A camera app can be used
to record or take a picture and store in the PC storage.

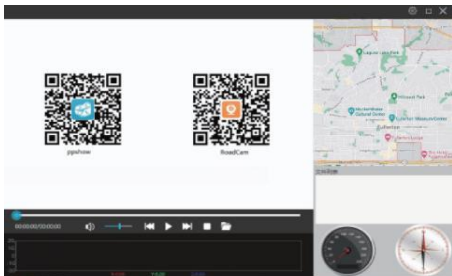**Charge** is selected for charging VTR419GW.

4. GXPlayer: Video playback with GPS positioning

VTR419GW is equipped with GPS sensor and records each video
frame with a proper GPS location. This feature allows playback video
along with the location of the record video on Google map.GXPlayer is

available at: http://visiontechamerica.com/vtr419gw
click on "Download and install: GXPlayer" link in the description.

PC system requirements:

Windows 7 or higher with .Net 4.5 or above version

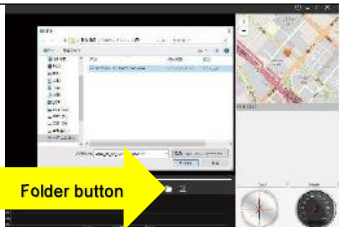To playback video with GPS location
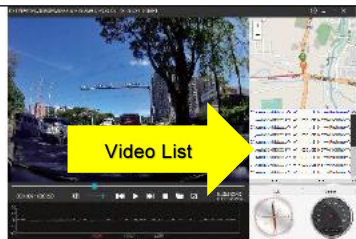
Step1. Insert microSD from Dashcam into PC
Step2. Start GXPlayer
Step 3. Load Videos- Click folder button- Select Folder
Step 4. Play video- Click video from video list

For any technical support, contact 888-941-3060
or email info@visiontechamerica.com
WWW.VISIONTECHAMERICA.COM