HyperDash

V-01

MOTORCYCLE
SMART RIDING SYSTEM

User Manual

Content

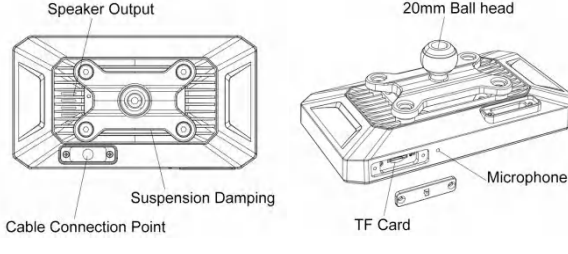
01. Product Overview

The FOZETOP motorcycle smart display features BSD radar-assisted lane changewarning and comes equipped with HD front and rear dual cameras forreal-time recording. It supports wireless phone mirroring and mobile app control. With a 5.5/6.86-inch high-brightness display and high-precision GPS positioning, itdelivers a smart and convenient riding experience. The main unit is IP67-rated fordust and water resistance, making it suitable for harsh outdoor environments.

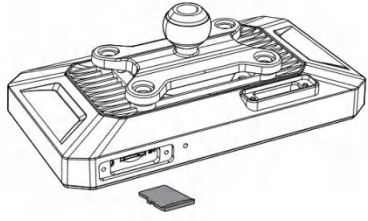
Main Unit and Accessories

	Main Unit ×1		Cameras ×2
	Millimeter-Wave Radar ×1		Power Cable ×1
	Tire Pressure Sensors ×2		Mounting Base ×1
	Disassembly Tools ×5		Sleeve Rings ×4
	32GB Storage Card ×1		L-shaped Bracket ×1
	Wired Controller ×1		Z-shaped Bracket ×1
	GPS Module ×1		

Component Details



02. Installation Guide

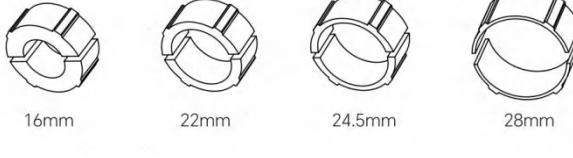


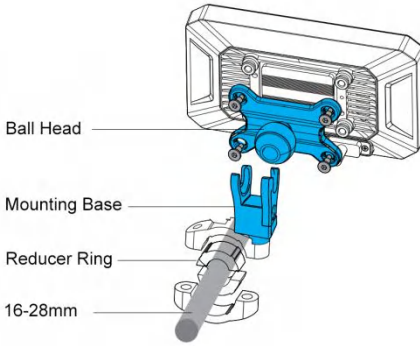
Excessive motorcycle vibrations may cause the system to mistakenly trigger emergency recording. These videos are saved and not overwritten, quickly filling up storage and disrupting loop recording. It's recommended to delete saved emergency videos or manually format the memory card every 3 months.

- TF Card Installation

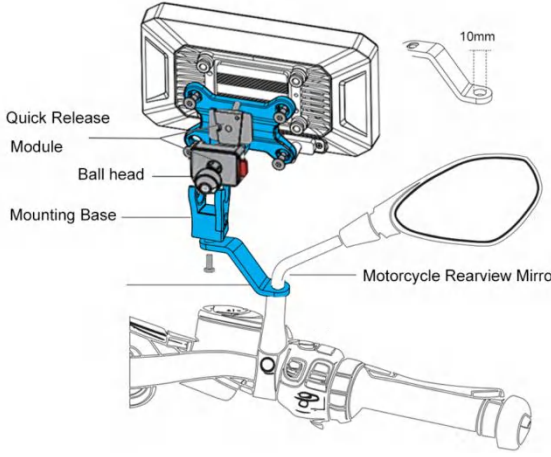
- Please use a high-speed TF card (Class 10 or above) with a minimum capacity of 16GB. The maximum supported capacity is 128GB.
- The product comes with a pre-installed 32GB TF card.
- Format the TF card before using it for the first time.
  Path: Main Unit > Settings > Format Memory Card
- It is recommended to format the memory card regularly to ensure stable performance.

- Vehicle Installation

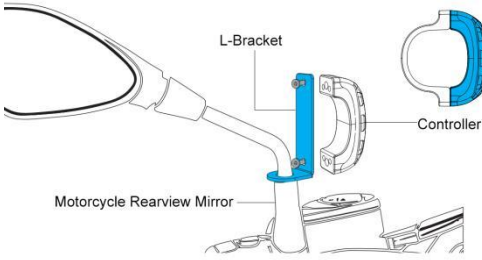




- Z-Bracket Installation Diagram

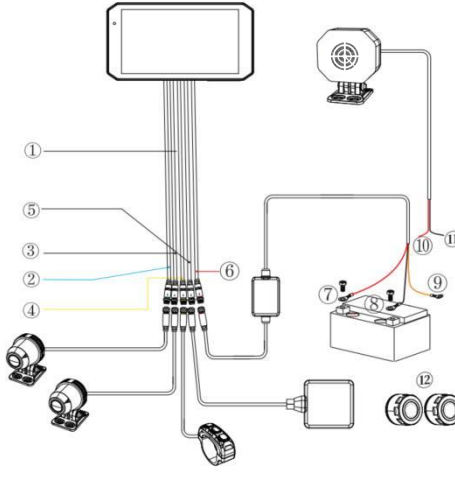


- L-Bracket Controller Installation Diagram



Note: The illustrated angles are for reference only. Please adjust to the appropriate position according to actual needs

03 Wiring Diagram



① Main unit extension cable
② Rear-CH2 cable – connects to rear camera
③ Front-CH1 cable – connects to front camera
④ Controller cable – connects to wired controller
⑤ GPS cable – connects to GPS module
⑥ Power cable – connects to main unit power input
⑦ Power cable B+ wire – connects to battery positive terminal
⑧ Power cable GND wire + ⑪ Radar ground wire – connect to battery negative terminal
⑨ Power cable ACC wire + ⑩ Radar positive wire – connect to battery ACC line
⑫ Front/Rear tire pressure sensors – install on tire valve stems respectively

● GPS Installation Precautions

Peel off the 3M adhesive and install the GPS module inside the motorcycle shell if possible. NOTE:

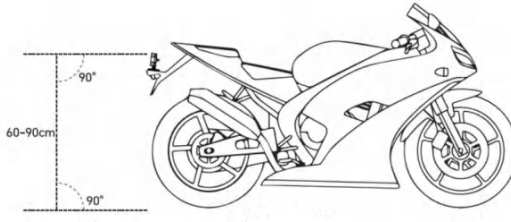
① Do not install under carbon fiber surfaces.
② Do not place it where metal may obstruct the signal.
③ Keep it away from the camera, camera cables, and main unit.
④ If the GPS signal is not received, try changing the installation location.
⑤ During installation, ensure: This side up.

● Camera Installation Precautions

Tear off the 3M adhesive and stick the front and rear cameras to the front and rear of the motorcycle respectively. NOTE:

① Loosen the screws to rotate the camera 180° forward or backward.
② Make sure the arrow mark faces upward.
③ Clean the surface, press firmly for 10+ seconds, and let sit for 30 minutes to ensure the best adhesion..
④ If installed in reverse, rotate the camera 180° & adjust the angle.

- Radar Installation Precautions



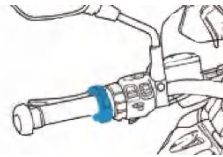
Attach the radar to the rear of the motorcycle using the 3M adhesive. The installation height should be 60–90 cm from the ground, with the radar positioned vertically (90° to the ground).

① Loosen the screws to rotate the radar 180° forward or backward.

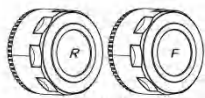
② Clean the surface, press firmly for 10+ seconds, and let sit for 30 minutes to ensure optimal adhesion.

- Controller Installation

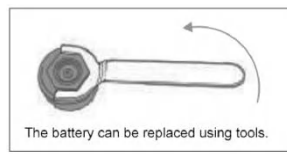
Install it on the handlebar for safe operation without taking your hand off the grip while riding. If the inner diameter is too large, apply a spacer inside the controller ring.



- Tire Pressure Sensor Installation Precautions



Battery Life: 1 year
Dimensions: 22.7 × 18.05 mm
Battery Type: CR1632 (replaceable)
Tire Pressure Range: 0 to 100 psi (0 to 689 kPa)
Tire Temperature Range: -40℃ to 125℃



By installing the tire pressure sensors, real-time tire pressure can be monitored, and a pop-up alert will appear when it reaches the warning threshold.

04 Operation and Interface Overview

- **Main interface**

① Compass
② Phone Mirroring
③ Dash Cam
④ Time Display
⑤ Radar Settings
⑥ Settings
⑦ Tire Pressure Display
⑧ Speed Display
⑨ Recording Status
⑩ TF Card Status Indicator
⑪ BSD Status Indicator
⑫ GPS Status Indicator
⑬ Wi-Fi Status Indicator
⑭ Bluetooth Status Indicator Display

- **Swipe Down Adjustment Interface**

① Volume adjustment：Slide to acjust the volume
② Brightness adjustment：Slide to adjust the screen brightness
③ Auto brightness：Auto screen brightness can be turned on/off

*When using wireless mirroring, volume and brightness must be adjusted via virtual buttons.

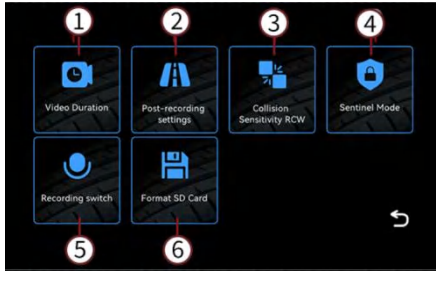
- **Dash Cam Interface**

⑤ Speed Display
⑥ Compass
⑦ Video Playback
⑧ Start/Stop Recording
⑨ Snapshot Button

① Enable/Disable Audio Recording
② Lock Current Video
③ Dash Cam Settings
④ Switch Front/Rear Camera

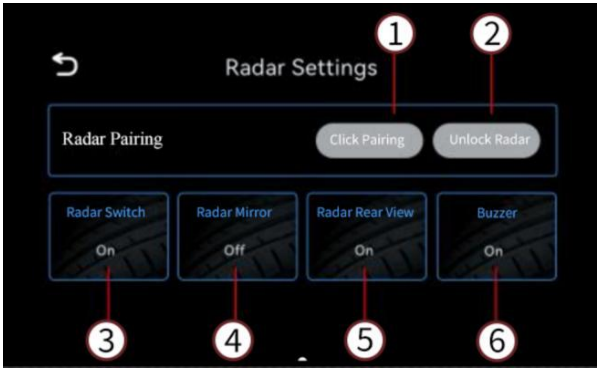
*When the storage space for normal or emergency videos is full, the system will automatically delete the oldest recordings to enable loop recording.

- **Dash Cam Settings Interface**



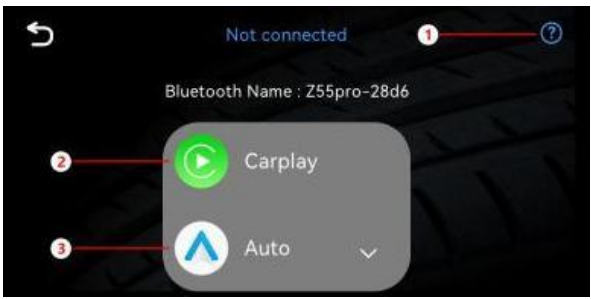
No.	Function Name	Description
①	Recording Duration	Set the length of each recorded video clip: 1 min / 2 min / 3 min
②	Rear Camera Settings	Adjust the rear camera mirror image to correct reversed preview, or enable mirror mode for use as a rearview mirror.
③	Collision Detection (RCW)	When enabled, the current video will be locked automatically if a collision occurs while driving.
④	Parking Mode (Sentinel Mode)	When enabled while the vehicle is parked and turned off, the system will lock video recordings if a collision is detected. All footage/images will be erased when formatting the SD card.
⑤	Audio Recording Toggle	Turn audio recording on or off.
⑥	Format SD Card	Delete all files stored on the SD card.

- **Radar Settings Interface**



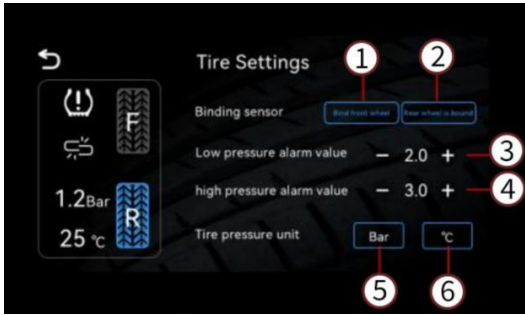
No.	Function Name	Description
①	Pair Radar Device	Tap the pairing button to enter radar pairing mode. Bind the device based on the ID shown in the pop-up. If no ID is found, restart or wait 5 minutes.
②	Unbind Radar	Remove the current radar pairing.
③	Radar On/Off	Enable or disable the radar function.
④	Radar Mirror Mode	Enable this if the radar base is installed facing upward.
⑤	Radar Rear View	When enabled, the rear-view streaming video will display when radar signals are detected.
⑥	Buzzer	When enabled, an alert sound will play upon detecting radar signals.

- **Screen Mirroring Interface**



No.	Function Name	Description
①	Help	Instructions for screen mirroring connection
②	CarPlay	Screen mirroring for iPhone via CarPlay
③	Auto	Screen mirroring for overseas Android phones

- **Tire Pressure Settings Interface**



① Bind Front Tire
After installing the tire pressure sensor, tap to bind the corresponding ID.

② Bind Rear Tire
After installing the tire pressure sensor, tap to bind the corresponding ID.

③ Low Pressure Alarm Value
Displays real-time tire pressure. If the pressure drops below the set value, a pop-up alert will appear.

④ High Pressure Alarm Value
Displays real-time tire pressure.
If the pressure exceeds the set value, a pop-up alert will appear.

⑤ Pressure Unit
Select the appropriate unit based on the destination country.

⑥ Temperature Unit
Select the appropriate unit based on the destination country.

- **System Settings Interface**

① Features：Tap to access tire pressure settings, Wi-Fi video/audio settings, GPS information, time format, and Android motorcycle navigation.

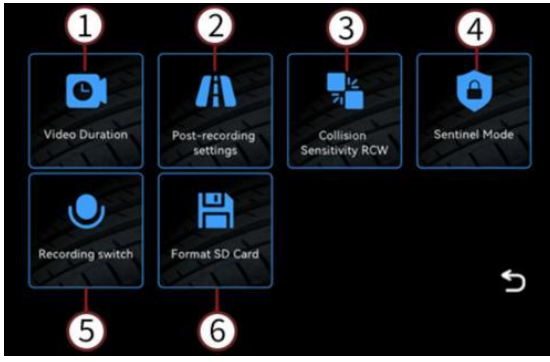
② Time & Date: Manually set the time and date.

③ Language：Set the system language (supports multiple languages).

④ Speed Unit：Set the speed display unit.

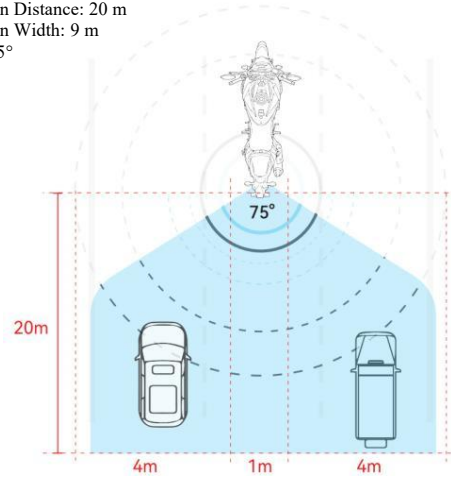
⑤ About Device：View information related to the device.

⑥ Restore Factory Settings：Reset the device to its factory default state.



05 Radar Rear View Warning

Maximum Detection Distance: 20 m
Maximum Detection Width: 9 m
Detection Angle: 75°



In terms of riding safety, the millimeter-wave radar provides precise rear-view warning functionality. By emitting and receiving millimeter-wave signals, the radar calculates the distance between the rider and approaching objects based on the electromagnetic wave travel time. It continuously monitors the rear blind spots for incoming vehicles.
When a vehicle is detected approaching from behind, the system automatically activates the RRV (Radar Rear-View) warning mode and alerts the rider through multiple warning methods.

- Visual Alert:

Warning lights on both sides of the display flash, ensuring the rider quickly notices without obstructing their view.

- Auditory Alert:

The buzzer emits a sharp and easily recognizable alarm sound to enhance the warning effect.

- Real-Time Video:

The rear camera feed is automatically activated, providing a clear view of the rear traffic situation.

The combination of multiple alert methods effectively eliminates blind spots, significantly enhancing riding safety even at night or in complex road conditions.

- **Radar Rear View Warning – Trigger Interface**

① When a vehicle appears on the left rear side, the left warning zone will flash red based on the distance. The rear camera will be activated, and a buzzer alert will sound.
② When a vehicle appears directly behind, both left and right zones will flash red simultaneously. The rear camera will be activated for 3 seconds, along with a buzzer alert.

③ When a vehicle appears directly behind, both left and right zones will flash red simultaneously. The rear camera will be activated for 3 seconds, along with a buzzer alert.
NOTE: After a radar warning is triggered, if another vehicle approaches from the rear within 10 seconds, the rear camera will not be activated by default; only red flashing and a buzzer alert will be shown.

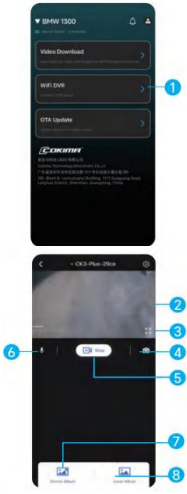
● Controller Button Functions

Button	Normal Operation		Incoming Call	
Cycle Button	Short Press	Long Press	Short Press	Long Press
	Main Interface / Rear Cam / Front Cam / TPMS	Hold 5S to Turn Off Screen / Press Again to Wake the screen	End Call	/
Snapshot Button	Short Press	Long Press	Short Press	Long Press
	Take Photo	Hold 3S to Lock Video	Answer Call	/
Home Button	Short Press	Long Press	Short Press	Long Press
	Rear Camera Live View / Phone Mirroring Interface	Hold 3S to Disable/Enable Touch	/	/

● WiFi Video APP

1.Scan the code to download motonaviAPP，Follow the operation instructions within the APP.

WiFi DVR



① WiFi Dash Cam
Tap to enter the WiFi dash cam interface to view the current live footage.

② Live View
Displays the real-time video feed from the dash cam.

③ Fullscreen Button
Tap to view the dash cam footage in full screen.

④ Switch Button
Tap to switch between front and rear camera views.

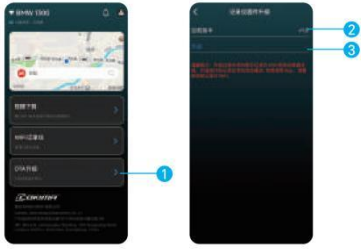
⑤ Start/Stop Recording
Tap to control video recording on the dash cam via your phone (start/stop).

⑥ Audio Toggle
Tap to enable or disable audio recording.

⑦ Device Album
View videos and photos recorded by the dash cam.

⑧ Local Album
View videos and photos downloaded to your phone.

OTA Upgrade



① OTA Update
Tap to enter the OTA update interface.

② Current Version
Displays the current version information of the system.

③ Update
Checks for available new versions.

Note: Do not power off the device during the OTA update, the system will automatically reboot after the update is completed.

06 Product Features and Specifications

Parameter	Specification
Display	5.5" HD Screen (960x480)
Front Camera	Optional AHD 1K/2K/4K
Rear Camera	Optional AHD 1K/2K/4K
Video Format	MP4
Image Format	jpg
Video/Image Encoding	H.264 / H.265
Loop Recording	Seamless loop recording, no frame loss
Front & Rear Dual Recording	Supported
Built-in Microphone	High-fidelity mic
Built-in Speaker	4Ω 1.2W
Storage Card	TF 16–128GB (Class 10 or above, authentic card only)
Time Watermark	Supported
Language	Supports multiple languages
Parking Monitor	Supported
One-Key Lock	Supported
G-Sensor	Supported
Wired Controller	Supported
WiFi	2.4G / 5G
Apple CarPlay	Supported
Android Auto	Supported
Huawei HiCar	Supported
WiFi Video	Supported
Millimeter-Wave Radar	Optional
Tire Pressure Monitoring	Supported

Storage Temperature	-30℃ ~ +80℃
Operating Humidity	15–65% RH
Operating Temperature	-20℃ ~ +70℃
Rated Voltage	5VDC (±0.3)
Standby Current	1μA
Operating Current	≤1800mA

07 Frequently Asked Questions (FAQ)

➢ Dash cam shows full memory and cannot loop record:
① If this is the first time using a new TF card, the device will prompt to format the card. Please format it before use. If there is no prompt, manually format it in the settings.
② Check whether the front and rear cameras are displaying normally. If there is a display issue, recording may not work.
③ Format the TF card. If formatting fails, try replacing the TF card.

➢ Automatic power on/off:
Please check if the parking monitor function is enabled. If turned on, the device will automatically power on and start recording when it detects a collision or shake, and will power off 15−30 seconds after recording.

➢ No image after connecting the camera:
① Please check whether the plugs are connected properly and if the camera cables are loose.
② Try switching the front and rear cameras to see if they display normally.

➢ Video freezes or buttons respond slowly during recording:
Check whether a high-speed memory card (Class 10) is being used. Non-high-speed cards may cause frame drops, playback lag, screen glitches, or freezing. (Note: Due to inconsistent quality of memory cards on the market, branded cards are recommended.)

➢ Time or settings not saved
If the device shuts down abnormally, it may not have time to save the current settings, resulting in loss of configuration.

08 Disclaimer

Special Notice:
The device must be in normal recording mode to save video files properly. However, in the following situations, video files may be corrupted or lost:
③ Removing the TF card while recording may cause the last video file to be corrupted or lost.
④ Power loss during recording may result in the final video file being corrupted or lost.
⑤ Severe collisions during recording may damage or erase the video file.
⑥ Strong impact during recording may loosen the memory card, leading to file corruption or loss.
⑦ Video recordings from the dash cam are for reference only. Our company is not responsible for any corrupted files or data loss caused by abnormal device operation.

Warranty:
This product includes a one-year warranty from the date of purchase, excluding damage caused by misuse or human error. If no proof of purchase is provided, the warranty period will be based on the product's manufacturing date.

Product Effect Demonstration

AHD Rear Camera

BSD Radar (24G)

GPS

Wired Remote Control

Quick Release Bracket

Tire pressure