

DVR MIRROR



The information contain herein maybe changed any time
with out prior notification



Owner's manual

CV-043LAIN / CV-043LABK / EV-043LAIN / EV-043LABK

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Foreword

Thank you for purchasing high resolution car DVR mirror. DVR mirror features the dual-camera system for extra wide filming angles which is unique of its own kind and provides enhanced recording capability to users.

This manual describes the technical specification, setup and operation of DVR mirror in detail. Please read this manual carefully and keep it for future reference. Hope DVR mirror can meet your need and be the indispensable driving companion to you.

Certifications

DVR mirror passes E-MARK / FCC / C-TICK certifications and is ROHS compliant, which makes car driving safety.

Product Description

DVR mirror adopts top-level program coming with superior digital HD auto-adjust brightness system monitor, so the brightness on the DVR mirror screen varies with the front car ambient light, in this way driver can view clear images on the screen and avoid from dizzy and ensure driving safety even though the brightness on the screen has discrepant 20 times from daytime to nighttime.

It features superior digital HD audio/video recording and high quality photo taking capability. Also, DVR mirror is crafted with G-sensor and enjoys many other patented technologies which make DVR mirror have wide application potential to car market.

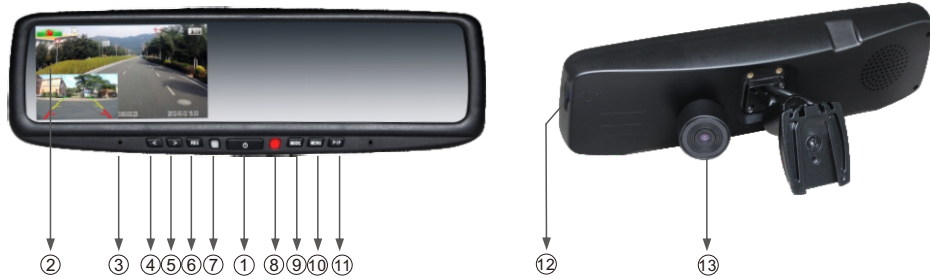
Features of DVR mirror:

- Dual channel simultaneous recording and displaying on screen
- G-Sensor When the gravity acceleration reaches 6g ($1g = 9.8m/sec^2$), DVR mirror will automatically keep the images before and after the impact interval as undeletable file to preserve the evidence.
- 4.3" 16:9 HD display without distortion.
- H.264 image compression technique
- According to system time, the device auto-adjust exposure issue during daytime and nighttime.
- 60fps smooth images with no delay or blur.
- Cyclic recording mode with no memory run out issue
- Motion detection
- Automatic recording when the vehicle starts, charging while recording.
- Remote control supported (optional)

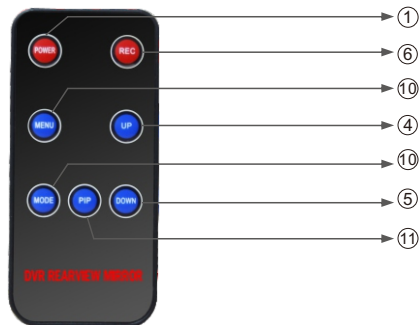
Certifications

Image sensor	1280(H)*960(V)CMOS sensor
Frame rate	30fps@full resolution 720p, VGA
Language	English, Korean, Japanese, Simplified Chinese, Traditional Chinese.
Display	4.3" 16:9 TFT-LCD display monitor
Memory	SD card for CV model(Max. 32GB) ; tf card for EV model(Max. 32GB)
Focus range	2m- infinite
Photo format	JPEG
Video format	MOV
Audio	Built in microphone and speaker
Working temperature	-20°C- 70°C
Accessories	Cable, user manual, remote(optional), reverse camera(optional), 32GB SD card(optional)

Keyboard and cable



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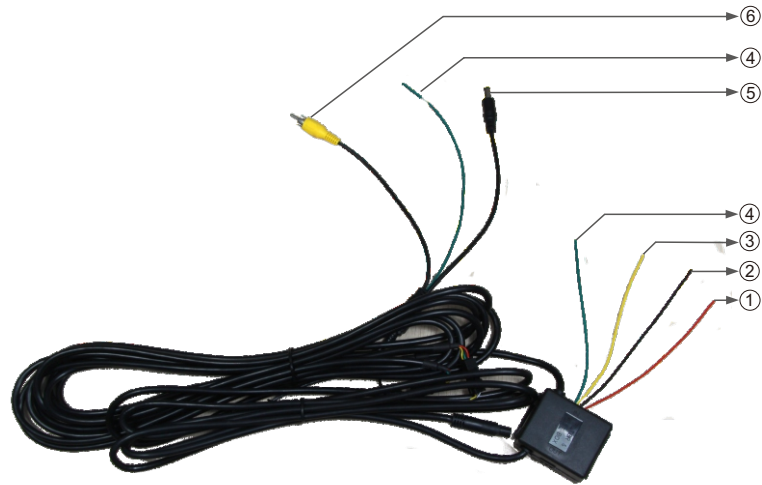


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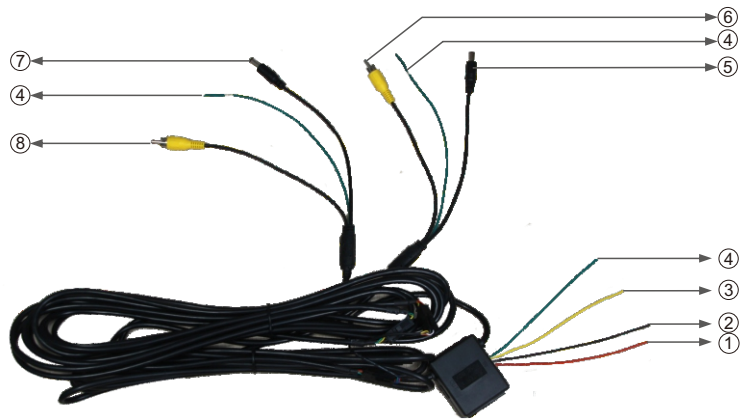
NO.	Mark	Description
1	⏻	Switch between reverse camera display/ front camera display/ turn off screen
2	Screen	4.3 inch tft lcd screen
3	Mic	Microphone
4	</UP	Fast forward/ upward(for menu)
5	>/Down	Fast backward/ downward (for menu)
6	Rec	Start/ pause/ OK(for menu)
7	Light sensor	To detect ambient light
8	Operation indicator	If the mirror is recording, the indicator will flash, and vice versa.
9	Mode	Switch operation mode and corresponding menu
10	Menu	Option menu of each operation mode
11	PIP	Picture in picture
12	SD card slot	MAX: 32GB
13	Front camera	Rotation angle— X: 150 Y: 360 Z: 150

The menu: REC ,DOWN ,MODEL , > , are unavailable during recording mode

Keyboard and cable



Cable (Two videos input)



Cable (Three videos input)

1	Acc (Red)	12V + Acc constant power supply
2	Gnd (Black)	-Chassis ground
3	Battery (Yellow)	12V+Constant power supply
4	Back up(Green)	12V Reversing trigger line
5	Camera power	12V Reverse camera power
6	Camera input	Rear camera input
7	Video power	12V + Acc constant power supply
8	Video input	User defined

How to install

⚠ WARNING ⚠

Most vehicles have the mirror mounted directly onto the glass; there fore improper tools or techniques used in the installation could result in a damaged or broken windshield . It is strongly recommend that installation be performed by a qualified technician.

1) Remove the existing mirror.(note: all vehicles use different mounting solution. If necessary , consult your local automotive dealer or installation professional for specific instructions).



- 2) Attach the vehicle-specific mount to the back of the mirror using the supplied screws.
- 3) Attach the assembled mirror to the vehicle mirror mounting tab and secure.
- 4) Route the mirror cable along the roof and down the pillar, and connect to the receiving end of the module cable.
- 5) Connect the three power leads:

Yellow-constant 12V + source

Red-Ignition controlled ACC 12V + source

Black (-) Ground (Connecting to car chassis works best)

There is an iron like this, on all original car's windshield.the base is fixed to the rearview mirror .

This mount fit for most of Ford, Toyota,GM, Nissan

Slide direction of the arrow

Tighten the screws, ensure the installation is finished completely.

Honda Mount

This adapter will show you on the windshield of Honda

90° rotation

The installation is completely finished

After Market Mount install

We have various of mounts to choose from. if there's no one to match your car. Please contact us.



OEM Market Mount install



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On/off and screen saver

1. When the car is activated, DVR mirror will automatically turn on in 3 seconds and begin recording.
2. When car engine is off, the screen will display "power off now." in 10 seconds.
3. To press the power button, you can turn off the screen.

Date/Time Setup

Press the "MENU" button to enter setup mode, then press the "MODE" button to switch to the setting menu, and choose "date set" option. Use "MODE", "UP" and "DOWN" buttons to adjust date and time. Press "REC" button to confirm and activate the settings.

Video Recording Mode

1. Video record is the default mode when powered up, the " " icon on the left upper corner will flash.
2. Press "REC" button to pause/resume the recording operation.
3. Press and hold the left button to turn on/off the night vision IR LED (taking affect when the button released).
4. Press the Left button to switch in between day/night recording mode.
5. Press the Right button to switch the camera displayed.
6. "H_HD" high resolution mode is preferred for the smooth filming during high speed motion.

Photo Mode

Press “MODE” button once switches to photo taking mode. The upper left corner of the display will show “” icon. There are three resolutions 1M, 2M and 3M for choice. Photo mode works only with the wide angle camera.

Playback Mode

- 1.Press “MODE” to enter the playback mode to check the video images taken.
- 2.Press “MODE” will stop the playback.
- 3.Press “MENU” for delete option can delete the selected file.

Menu and Mode

Menu	Mode	
MP	VGA/720P	
RT	1min/2min/5min/OFF	
Record Mode	Front_Record/Back_Record/Double_Record	
Setting	Bright	Auto/sunlight/fluorescence/cloudy sky/tungsten
	Exposal	-3/-2/-1/0/1/2/3
	Color	Null/black and white/negative/ancient/reseda
	Screen Protection	15 sec/30 sec/45sec/OFF
	G-sensor	High/middle/low/close
	Auto detect	OFF/ON

Setting	Water Mark	OFF/ON
	record audio	OFF/ON
	auto record	OFF/ON
	Screen Protection	15 sec/30 sec/45sec/OFF
	Language	中文简体, 中文繁體, English, русский, español, Deutsch, 한국의, 日本語
	Frequency	50hz/60hz
	Back_IN	PAL/NTSC