

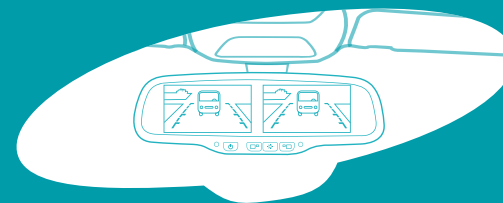


ECE R 10

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ECE R 46

Approval No.:  46R-04 0019



Car Rear View Mirror with Dual LCD Display Screens

User manual

HK-04343LA

User's Manual

Welcome to use our car rear view mirror with dual LCD display screens.

- We reserve the final explanation right on this User's Manual.
- Specifications are subject to change without notice. Sorry for any inconvenience caused!
- Please make a copy of the important data. We assume no responsibility for the data loss.
- This manual has been carefully checked. Please contact our service center when any typing mistake is found.
- Please read the operating instruction carefully and use the accessories only provided by the original factory to avoid any unexpected damage. No warranty will be executed if you are not following the instruction or connecting with the incompatible accessories, we assume no responsibility for any loss and damage caused hereby.
- Any discrepancy between the pictures with real products hereinafter, the real one prevails.
- The working voltage of this model is 10V to 30V, and it can be installed in the truck if its voltage is 24V. Please refer to the camera manual for the camera power supply, since it's not from the car rear view mirror. The 24V camera is advisable if installed to truck or purchase the power adapter to convert the voltage.

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Chapter one: Product Introduction

1.1 Package

The packing box contains the following accessories, please confirm:

- Dual display rear view mirror monitor
- wire harness
- User's manual
- wire cover
- Remote control(option)

For the items listed above, please check with your package box. If any damage, Please contact with the distributor or the agent as soon as possible.

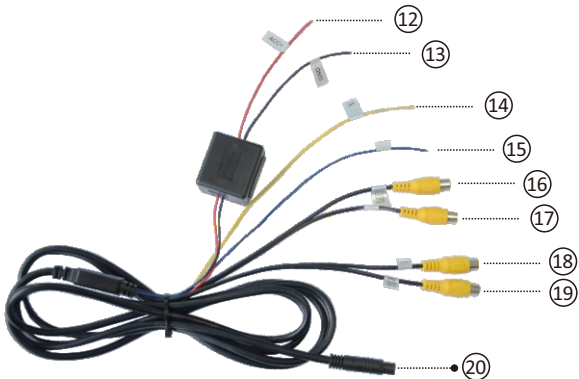
1.2 Features

- Car rear view mirror with dual LCD display screens
- 4-way video input
- Back up camera display
- Automatic brightness adjustment
- 4.0 mm glass and ϕ 23mm car factory OEM bracket
- Adjustable guide line (option)

1.3 Specification

- Screen size: 4.3 inch
- Display screen: TFT-LCD
- Aspect resolution: 480(H)*272(V)
- Working voltage: 10V~30V
- Working temperature: -20℃~+75℃
- Four ways video input
- Signal system: PAL/Auto/NSTC

1.4 Keyboard

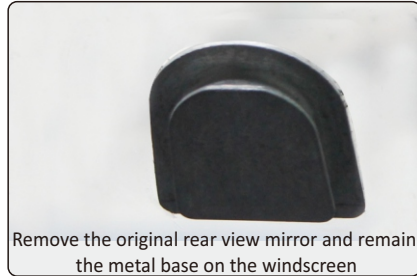


1	4.3 inch ultra high brightness display screen
2	Front light sensor
3	Turn on/off the dual display screen
4	Left video1→Left video2→Turn off Left screen→Left video1
5	Adjustable the brightness of screen (just helpful for the working screen)
6	Right video1→Right video2→Turn off right screen→Right video1
7	Indicator
8	4.3 inch ultra high brightness display screen
9	Rear light sensor
10	Connector (connect with wire harness)
11	Special bracket
12	Red to +12V
13	Black to GND
14	Yellow to brake light
15	Green to reverse light
16	Video input
17	Video input
18	Video input
19	Video input
20	Connector (connect with rear view mirror)

Chapter two: Installation and Wiring

2.1 How to install

Remove the original mirror



Different cars have different brackets. It depends on your vehicle maker and manufacturer. There are many methods to remove the original rear view mirror, however, please don't force the mirror off the bracket. The manufacturer will not be responsible for any damage caused to your car by wrong installation of the mirror.

Install GPS mirror monitor on the base



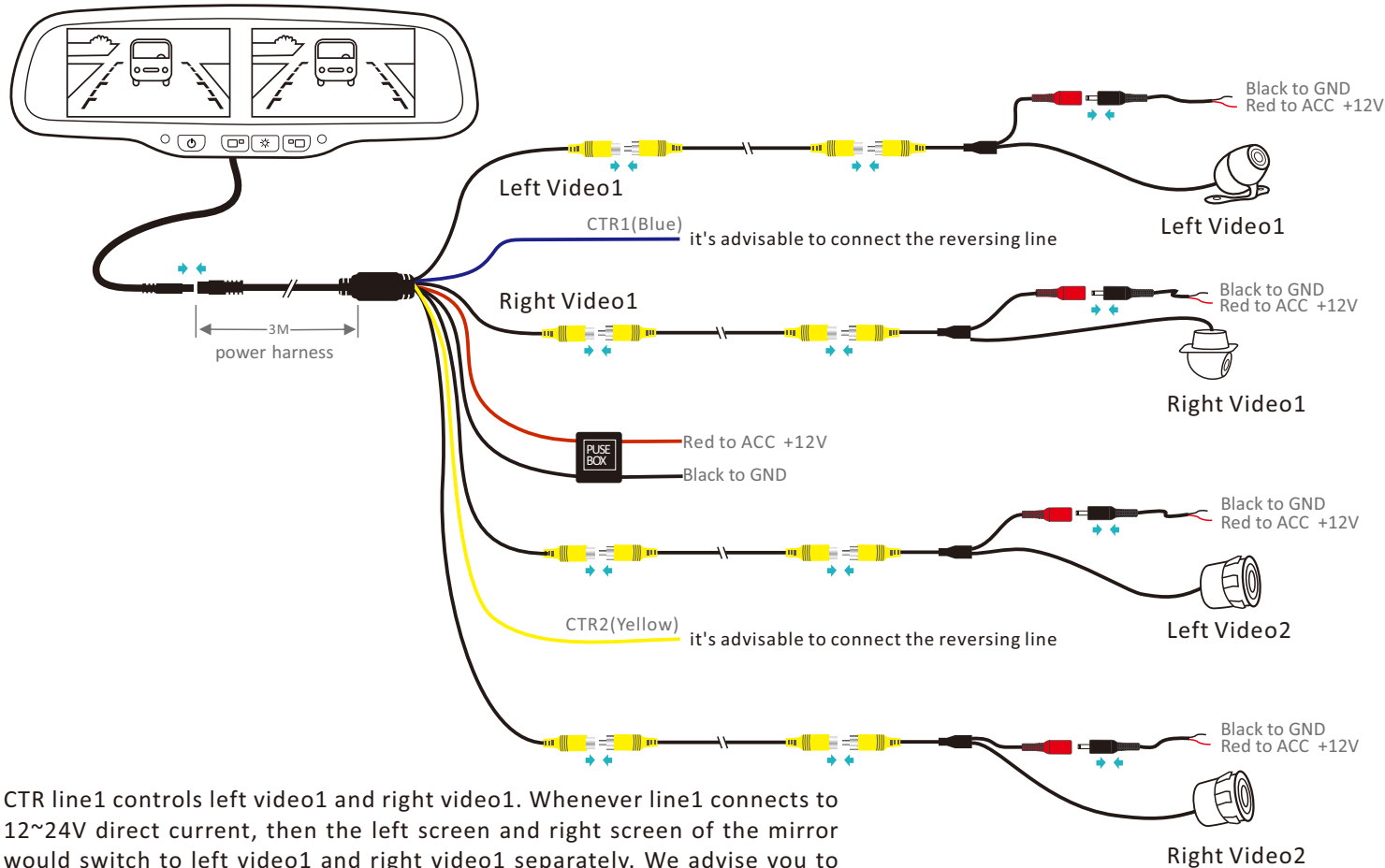
2.2 Special bracket



We have many kinds of brackets. one of them must suit for your car, and we are not going to go through anymore examples, because the space is limited. If you don't find the same bracket here as your car, please contact us.

2.3 How to wire

By connecting the green line, the reversing signal is input to the rear view mirror and reversing video can automatically display on the right side of the screen. (not connect reversing box)



CTR line1 controls left video1 and right video1. Whenever line1 connects to 12~24V direct current, then the left screen and right screen of the mirror would switch to left video1 and right video1 separately. We advise you to connect CTR1 to reversing line.

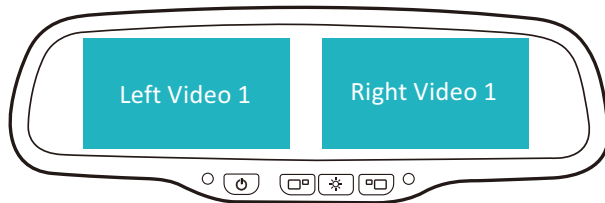
CTR line1 controls left video2 and right video2, which is less preferential than CTR1. That is, when CTR1 and CTR2 connects to battery at the same time, then only the two videos(left video1 and right video1) from CTR1 can be displayed on the LCD monitor. When CTR2 connects to current and the LCD monitor is off, then the monitor keeps be off. However, when the monitor is on, the left screen and the right screen would switch to left video2 and right video2 separately.

The advisable installation position for camera

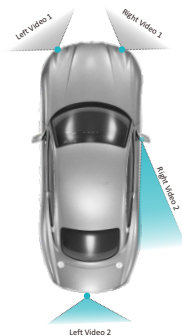
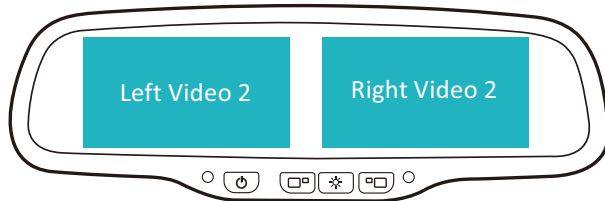


2.4 How to display the rear view mirror screen.

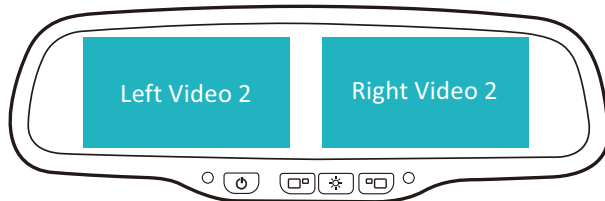
Driving: “Left Video1” and “Right Video1” display



Reversing: “Left Video2” and “Right Video2” display



Braking: If the monitor turns on before braking, then the left video1 and right video1 would display separately on the left and right LCD monitor.

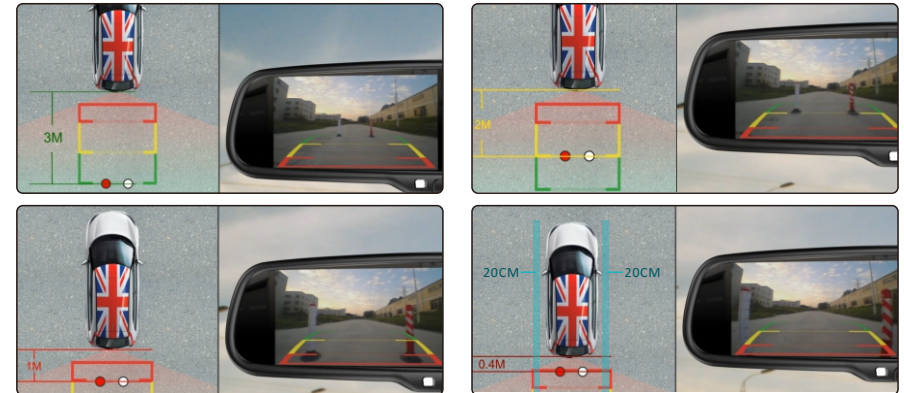


Braking: If the monitor turns off before braking, then no video would display on the monitor and the monitor keeps be off.

Chapter Three: Adjustable guideline

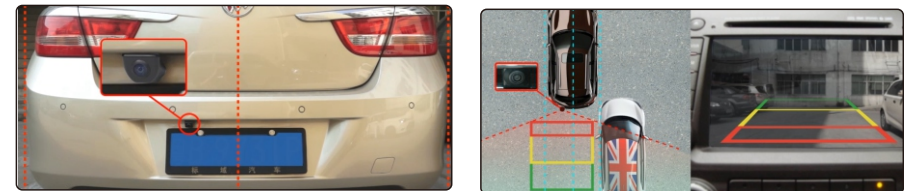
3.1 About guide line

Generally, to help drivers estimate the distance from obstacles, there are three lines for reference -red, yellow and green. Those three lines are displayed on the monitor when car is reversing. The green line is 3m from the back of car and the yellow line is 2m. The distant red line is 1m from the backside of car while the closed red line is 0.4m. Both reference lines on the left and right should leave 0.2m space from the car.










3.2 What the regular guide line is

Regular guide line is fixed. But installation sites of cameras are different as well as car size. The fixed guide line is not accurate enough for drivers. There will be a great difference between regular and fixed guide lines and car's real guide lines, especially when camera is mounted on the left or right side of car backside. It may cause accidents.



3.2 How to adjust the guide line

According to the site of standard reference line, we can put reference objects such as desks in the back area of car. Compared with the marked reference objects, we can adjust the sites and angle of two guide lines displayed on the monitor. You will get the accurate and safety guide lines once they coincide with the reference objects.

Press setting button  is to enter into "guide line adjustment" mode. The system is defaulted to adjust left guide line firstly. Press the button again will switch to adjust the right guide line. The up , down , left  and right  buttons are to adjust the correspondent location of guide lines. The clockwise rotation  and contra rotation buttons  are to adjust the angle of guide lines. It is easy to operate and calibrate. After finishing calibration, switch the reverse gear to save the information.

Caution: keep the remote control 0.5m-1.0m from rearview mirror when you use the remote to adjust the parking lines.



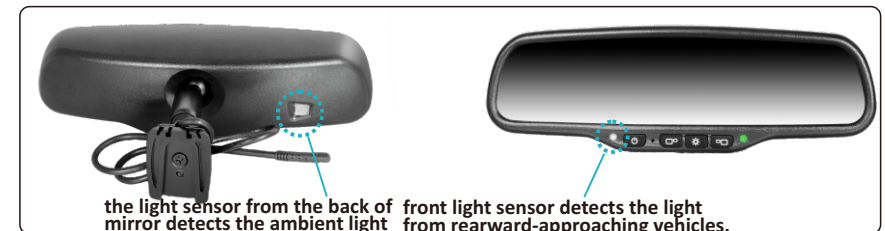
Chapter Four: Auto Dimming (option)

4.1 Why need dimming function

- To protect drivers from night glare of headlight.
- It is a function that can improve the car safety level.
- It may cause a series of legal disputes once removed by car dealers or sellers

4.2 Auto dimming how to working

The auto-dimming of our mirror works automatically when you start the engine, and the indicator will light up. The light sensor in the back of the rear view mirror will always detect the ambient light. The auto-dimming doesn't work in the broad day for the adequate daylight. However, when night falls and the ambient light is weak, the auto-dimming starts to work and automatically dims to eliminate the glare of rearward-approaching vehicles. Furthermore, the degree of brightness of the auto-dimming glass depends on the level of the light. The stronger the light from the back of the car is, the darker the glass is. Hence it protects drivers from becoming dizzy and avoiding car accident.



Auto-dimming bleaching state



Auto-dimming working state

