



ECCO®

Installation and Operation Instructions EC4210B-K Rear-View Mirror Monitor System

ECCO's EC4210B-K Reversing Camera System is designed to provide visual cues to help drivers avoid collisions when backing up. A driver using a properly installed and maintained rear view system can be alerted to potential safety hazards and thus take the appropriate action to prevent an accident. This manual provides information about installation, function, safety, maintenance, replacement parts, and warranty.



WARNING!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious injury, and/or death to those you are trying to protect!

 Do not install and/or operate this safety product unless you have read and understand the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of safety products are essential to ensure the safety of you and those you are seeking to protect.
2. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation are vital to the performance of this safety product. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. It is the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the field-of-view of the camera/monitor is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
6. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, walking on or around traffic lanes.
7. This equipment is intended for the use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding safety products. Therefore, the user should check all applicable city, state and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this safety product.

WARNING!

1. High voltage is present within the monitor. The opening of the case should be by professionals.
2. Do not watch the video while driving unless you are monitoring the rear view camera display.

IMPORTANT! Occasionally, a few highlights or dark spots may occur on the LCD screen. This is a very common phenomenon in active matrix display technology, and doesn't necessarily indicate any defects or faults. Never try to repair this device by yourself. In case of any problems, please turn off the display at once and notify our company or authorized dealer. The monitor is a complex device. Any disassembly or modification may lead to damage and void the warranty.

Specifications:

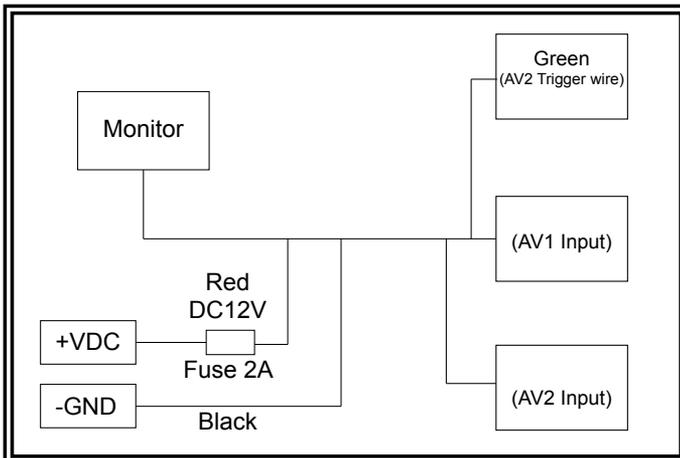
CAMERA	EC2026-C
Image	Color CMOS
Effective Pixels	580 x 540/ 580 x 492
Voltage Requirement	12 VDC
Power Consumption	0.5 W
Current Consumption	0.5 W
Lens	1/4"
Lens Angle	170°
Audio	No
Light Sensor	No
Infrared LEDs	No
Pigtail Connection: CAM	4 Pin Female
Housing	ABS Plastic
Mech. Vibration	Yes
Mounting	Rear/Front
Dimensions (WxHxD)	0.89 x 1.10 x 0.89 (in. w/out bracket)
Operating Temp.	-30°C to 75°C
IP Rating	IP69K
Approvals	FCC, CE, RoHS

MONITOR	EC4210B-M
Image	4.3" digital, 16:9
Resolution Degree	480 (W) x RGB x 272 (H)
Controller	Two
Voltage	12 VDC
Power Consumption	2.3 W
Mirror Imaging	Yes
Split Screen Feature	No
AV Compatible	Yes (AV2 with trigger wire for reversing)
DVR Compatible	No
Audio	No
Contrast/Brightness	850cd/M2
Light Sensor Day/Night	No
Camera Selection	V1/V2 switchover
Connection, Female	4 PIN Female
Connection, Male	4 PIN Male
Connection, CB	N/A
Housing	ABS Plastic
Mounting	Clip Bracket
Mech. Vibration	Yes
Cradle Bracket	No
Weight	0.6 lbs.
Dimensions (WxHxD)	10.2" x 3.5" x 1.5"
Operating Temp.	-20°C to 65°C
Remote Control	Yes
Approvals	FCC, CE, RoHS

⚠ WARNING!

To prevent accidental shock, DO NOT OPEN THE MONITOR CASE. Opening the monitor case will expose the inside of the monitor to conditions that could adversely affect performance. Any evidence of tampering with sealed components will void the warranty.

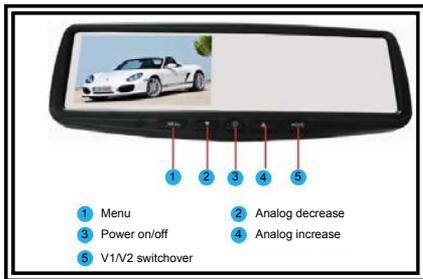
Wiring:



Accessories:

1. AV and power supply cables.

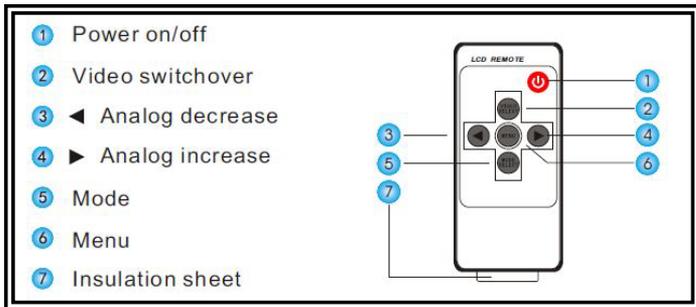
Appearance and Keystroke Function:



Reversing Display:

1. When the green wire is connected to the positive wire of the back-up light, the monitor will automatically switch to the back-up camera.

Remote Control Function



Menu Operation Instruction

After power on, a blue screen will appear. Only power and V1/V2 keystroke will work when there is no signal. All keystrokes will work once there is signal input.

Press MENU keystroke, the screen will display "BRIGHT, CONTRAST, COLOR, HUE, ZOOM, LANG, SIGNAL INPUT, RESET"

BRIGHTNESS

Press MENU, once BRIGHT is displayed, increase or decrease the brightness by remote or keystroke.



CONTRAST

Press MENU, when CONTRAST display is shown, increase or decrease contrast by remote or keystroke.



COLOR

Press MENU, when COLOR display is shown, increase or decrease color by remote or keystroke.



VOLUME

Press MENU, when VOLUME display is shown, increase or decrease volume by remote or keystroke.



RESET

Press MENU, after LANGUAGE, the RESET will display. RESET is only for BRIGHT, CONTRAST, HUE, ZOOM, COLOR, LANGUAGE AND SIGNAL INPUT. Other setting parameters will not change.