



USER MANUAL

www.elinz.com.au

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Product Description

Elinz reversing camera kit designed to make your car more maneuverable and much easier to handle. It is also manufactured to provide you with added safety when reversing from a parking spot or from your driveway. Can be installed in all types of vehicles, our camera system provides coverage for your car's blind spots and let you see areas that you can't normally see using your car's rear view and side mirrors. Easy to install and operate, this camera system is indeed a must-have if you want to make reversing your car much easier for you.

Features

- 90 / 120 degrees wide viewing angle
- Camera with night vision
- Heavy-duty, can be used in industrial applications
- Sharp CCD image sensor
- 7" monitor
- 2 AV inputs (optional 3AV inputs for some model)
- PAL and NTSC TV system
- RGB 800x480 screen resolution
- Auto switching feature
- Built-in speakers
- Remote control
- OSD menu
- Sunshade design
- Adjustable screen colour, brightness, and contrast
- 12-24v DC power supply

Specification	Monitor
Screen Size	7 inch
Display mode	16:9
Format	PAL or NTSC
Pixels	800(W)*RGB*480(H)=307200 points
Power Supply	DC12V-24V(+/-10%)
Power consumption	<=7W
Two video input AV1	with audio
Input	2-AV input
AV2	Always prior when reversing
Operating temperature	-10-+50
Storage temperature	-20-+60

Specification	Car Camera System
Image sensor	Sharp 1/4" CCD
TV system	PAL/NTSC
Sensing area	9.6 μm x 6.34 μm
Scanning system	2:1 interface
Sync system	Internal
Resolution	480TV lines
Lens	2.8mm/90deg
Electronic shutter	1/60-1/15,000 seconds
Video output	1.0Vp-p, 75 Ohm
S/N ratio	More than 48db
Waterproof rating	IP67-IP68
Min. illumination	0.2Lux/F1.8
Current consumption	No more than 300mA
Power supply	DC12-24v(+/-10)

Operating temperature	-20 to 75 degrees Celsius
Storage temperature	-40 to 85 degrees Celsius

Monitor Controls



1. Rotation button
2. Volume (-)
3. Menu button
4. Volume (+)
5. AV/AV2 button
6. Power
7. Infrared Receiver

Menu Interface

Menu interface will appear one by one when MENU key is pressed on remote control or on monitor panel.

1. BRIGHT

To adjust Brightness, go to Brightness Menu press “-” or “+” and choose your desired setting. Then Press the Menu key to confirm changes.

2. **CONTRAST**

To adjust Contrast go to Contrast Menu press “-“or “+” and choose your desired setting. Then Press the Menu key to confirm changes.

3. **COLOR**

To adjust Color, go to Color Menu press “-“or “+” and choose your desired setting. Then Press the Menu key to confirm changes.

4. **TINT**

To adjust Tint settings, go to Tint Menu press “-“or “+” and choose your desired setting. Then Press the Menu key to confirm changes.

5. **VOLUME**

To adjust Volume, go to Volume Menu, press “-“to decrease volume or “+” increase volume. After choosing your desired setting, Press the Menu key to confirm changes.

6. **MODE**

To change Mode settings, go to Mode menu, press “-“or “+” key to switch Mode from 16:9 to 4:3 or from 4:3 to 16:9. After choosing your desired setting, Press the Menu key to confirm changes.

7. **SOURCE**

To change Source settings, go to Source menu, press “-“or “+” key to switch V1/V2. After choosing your

desired setting, Press the Menu key to confirm changes.

8. **TCON**

To change Image view, go to TCON Menu press“-“or “+” to reverse images: up, down, left, right and choose your desired setting. Then Press the Menu key to confirm changes.

9. **RESET**

To change current setting to factory setting, go to Reset Menu press“-“or “+” to choose your desired setting. Then Press the Menu key to confirm changes and to exit current setting.

REMOTE CONTROL



- 1. Power
- 2. V1/V2 Video Selection
- 3. Volume (+)
- 4. Menu
- 5. Mode Selection
- 6. Volume (-)

Camera Installation and Use

Please read this carefully before installing and using this camera system

- Our cameras are applicable to all kinds of vehicle.
- Our cameras allow you to see blind spots in your vehicle that you won't normally see with your car's ordinary rear view and side mirrors.
- When the camera used only for reversing, make sure to connect the camera to the light power source. Remember, the red wire is positive while the other wire (the black one) is negative.

General Steps for Installing the Reversing Camera

1. Remove the screws of the licence plate.
2. Align the frame of the reversing camera to the holes of the licence plate bracket.
3. Secure the nuts and bolts.
4. Run the 4PIN cable from the camera to the monitor to get power.
5. Make sure to seal all the overlap joints with waterproof tape.
6. To avoid potential problems, it is advisable that you seek professional installation services.

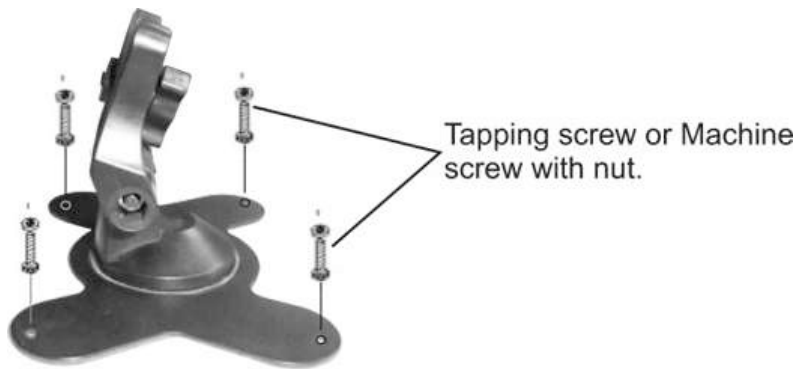
Monitor Installation

Please follow these general reminders to ensure the safety and longevity of your monitor.

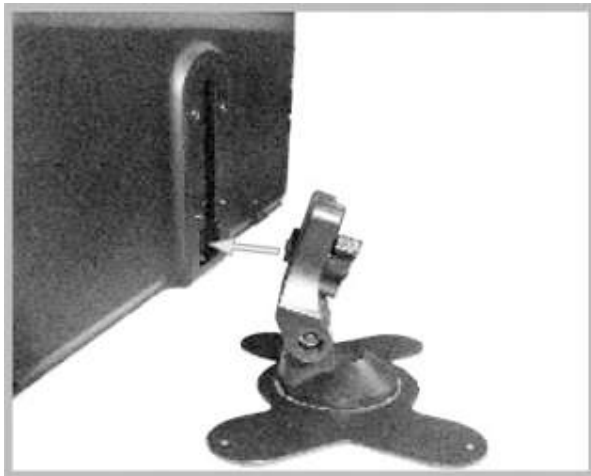
- Make sure to install the monitor on a surface that can support object weighing 4kg and above.
- To avoid picture distortion and signal interference, place the monitor away from the car speakers. This will prevent the speaker's magnetic field from distorting the picture on the screen.
- Do not place the monitor in an extremely hot or humid location (radiator, air duct, etc) or in a place that experiences direct sunlight, excessive amount of dust, and mechanical vibration or shock.
- Keep the monitor away from liquids because it is not waterproof.

Steps for installing the monitor

1. Choose a mounting location for your monitor. Then, insert the screws into the holes on the fan-shaped stand (Please refer to the picture).

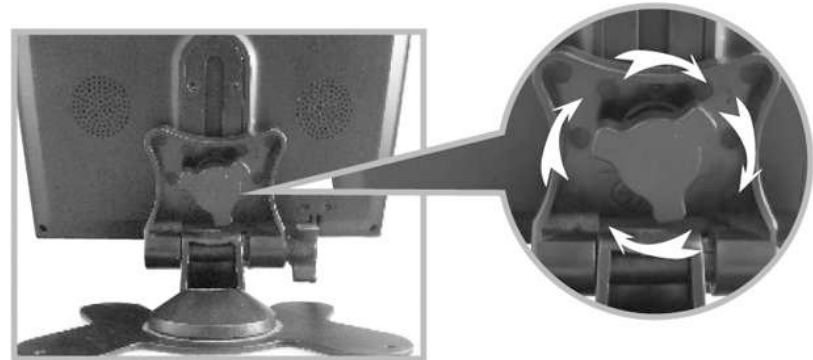


2. Put the metal buckle piece on top of the stand and secure it into the notch at the back of the monitor (Please refer to the picture).



3. Place the stand to your desired mounting location and screw it in.

4. Adjust the big screw behind the monitor until it matches your desired viewing height (See the picture below).



Connecting the monitor to a power source

1. After mounting the monitor, kindly connect the RED wire to the positive power terminal, which is switched on when the ignition key is in the "accessory" position.
2. Connect the BLACK wire to a suitable GND connection point in your vehicle.
3. Connect the Green/Blue (video 1 trigger) wire to the switched power output terminal of the reverse gear.

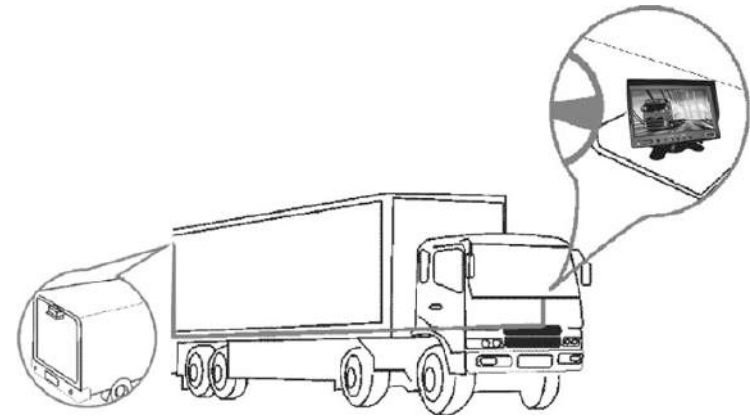
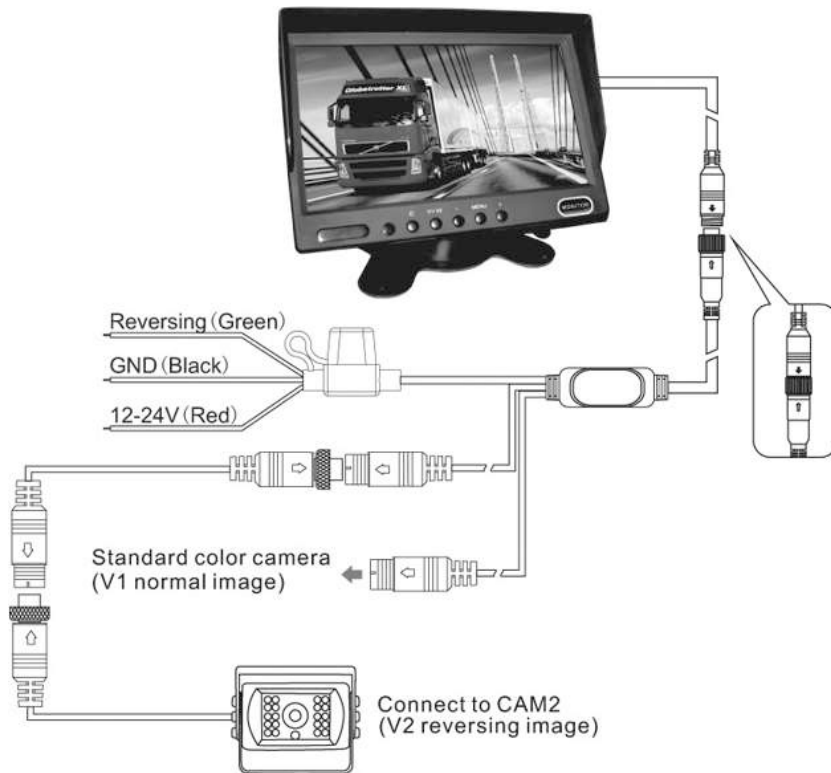
Caution

- Before connecting the monitor or camera, make sure to disconnect the ground terminal of the car battery to avoid short circuit or the risk of electrocution

- Make sure to fully insert the plug into their respective connectors. Any loose connection may cause the unit to malfunction.

Connection diagrams

Wiring diagram



Operating Instructions

- When you turn the ignition key to the "accessory" or "on" position, power will be supplied through the control box to the monitor. This places the monitor in stand-by mode.
- Placing the power switch on the "off" position switches the monitor off. The monitor will remain turned off until you restart your vehicle or place the power switch on the "on" position.
- When the reverse gear is engaged, the monitor will automatically switch on and images from "camera 1" will appear.

Cleaning and General Maintenance

- If your vehicle has been parked under direct sunlight, give the unit a considerable amount of time to cool down before operating it.
- Clean the unit from time to time to ensure longevity.

Cleaning

- Always unplug or switch the unit off before cleaning.
- Use a slightly damp cloth when cleaning.
- Never use strong solvents such as thinner or benzene as they could damage the finish of the unit.
- Do not use aerosol cleaners.
- Use mild household detergent instead.

Ventilation

- To prevent overheating, make sure that the holes at the back and bottom of the monitor are not covered or blocked. These holes are provided to allow hot air from inside the unit to escape.

Objects and Liquids

Never insert any object into the monitor and its sockets. This may cause the product to malfunction. It can also lead to electric shock.

- Avoid spilling liquid on the monitor.

Service

- Do not attempt to service this system on your own. Opening the unit and removing any of its covers or parts may expose you to the risk of electrocution or other safety hazard.
- It is advisable that you hire a qualified technician to service your reversing camera kit.

For Questions and Enquiries

Contact us 1300 881 773 or send us an email sales@elinz.com.au .