



ELPC40B USER MANUAL

**REAR VIEW LICENSE PLATE
MOUNT CAMERA**
FEATURING HIDDEN MOUNTING BRACKET



Introduction

This camera is designed for use as a front view or rear-facing backup camera, and mounted neatly behind your license plate. When installed with any of our camera-capable head units, the camera view can be automatically triggered when shifting into reverse or manually triggered by selecting the camera button from the head unit home screen.

Package Contents

- 1x Camera with power and video sockets
- 1x Power cable with power plug
- 1x Video cable with two yellow RCA plugs
- User manual

Important

Please read and understand all instructions before you use your product. Failure to follow the instructions could result in injury and/or damage that could potentially void the warranty.

Important safety precautions

- Use of the camera must not replace other safe driving habits. Precise control and looking around before backing up is necessary.
- Always remember that the area displayed by the camera is limited, and certain obstacles may not be detected or not reliably detected.

Installation precautions

- **WARNING:** Always consult a professional installer.
- Improper wiring and mounting of the camera can cause damage, injury or accident. Have installation performed by a professional only. Contact our technical support for any installation questions.
- Disconnect the negative terminal of the vehicle battery prior to wiring.
- When making modifications to your car due to the installation, make sure the safety and structural integrity of the car is not impaired.
- Hide wires under car floor mat or through car headliner. Make sure wires are not squeezed or damaged by sharp edges. Use rubber bushings for penetrations.

Wiring

- Follow two steps described below to install this product as a front camera or a rear camera.
- The rear camera view automatically turns on when reversing. Ensure you connect the “Reverse Input” wire on your head unit to the vehicle’s reverse light for reverse trigger. Front camera view is not accessible when reversing.
- Both rear and front camera view can be selected via Home screen options on your head unit.

1. Connect the video cables.

- a** Connect one yellow RCA plug of the video cable to your head unit.
Front camera: to “Front Camera Input” RCA socket.
Rear camera: to “Rear Camera Input” RCA socket.

- b** Connect the other yellow RCA plug of the video cable to the yellow RCA socket on the camera.

2. Connect the power cables.

- c** Connect the red split wire of the video cable to your head unit.

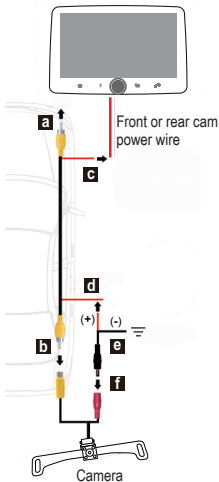
Front camera: to “Front Camera Power Output” wire.

Rear camera: to “Rear Camera Power Output” wire.

- d** Connect the other red split wire of the video cable to the red wire of the power cable.

- e** Connect the black (ground) wire of the power cable to the car chassis.

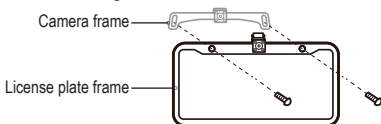
- f** Connect the black plug of the power cable to the red socket on the camera.



Mounting

The camera is designed for mounting behind the license plate of your car through the screw holes on the license plate. No drilling hole is required.

1. Remove the license plate lamp. Through the opening of the license plate lamp, run the camera's cable from the outside into the inside of the car.
2. Remove the license plate screws. Align the camera frame with two top screw holes on the license plate, and secure the camera frame with two license plate screws. **Make sure the camera is correctly oriented to avoid reverse image.**



3. Verify the camera angle is properly positioned. If needed, loosen the screws and adjust the camera angle then re-tighten the screws.

Troubleshooting

Problem	Solution
No image	Ensure the camera's power cable is securely plugged. Ensure there is correct and secure wiring between the camera and your head unit. Ensure the reverse input wire on your head unit is connected to the vehicle's reverse light. Ensure correct camera settings on your head unit.
Image blurry	Check for water drops or dust on the camera lens. Clean it with a damp, fiber-free cloth.
Image shaking	Ensure the camera is tightly mounted.
Image slanted	Adjust the camera frame position.

Image Setting

- To remove the on-screen parking guidelines, cut open the white wire loop which splits from the camera's cable. Otherwise, keep the white wire loop uncut.
- If the camera image appears reverse, cut open the blue wire loop which splits from the camera's cable. Otherwise, keep the blue wire loop uncut.
- Make sure to unplug the power cable from the camera and plug it again to enable the new setting (after cutting off the white or blue wire loop).

Specifications

Power supply	12 VDC
Viewing angle	170°
TV system.....	NTSC
Video output	1.0 vp-p, 75 Ω
S/N ratio.....	≤45 dB
Ingress protection rating	IP67 (waterproof)
Operating conditions.....	-22 to +140°F (-30 to +60°C) max. 95% RH
White balance	Auto
Illumination	min. 0.1 lux
Automatic gain control (AGC).....	Auto
Resolution (TV lines)	480
Electronic shutter speed	1/60 (NTSC)
Effective pixels.....	648 x 488
Dimensions (L x W x H)	7.756" x 0.88" x 0.88" 197 x 22 x 22 mm
Cable length	197"/5m (video cable); 39"/1m (power cable); 20"/0.5m (camera's cable)

Specifications are subject to change without notice.



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