## SPECIFICATIONS

| Power Supply | DC 12v |
| :---: | :---: |
| Lens Angle (Deg.) | $170^{\circ}$ |
| TV System | NTSC |
| Video Output | 1.0vp-p, $75 \Omega$ |
| S/N Ratio | $<48 \mathrm{~dB}$ |
| IP Rating | IP68 |
| Operating Temp. (Deg. C) | $-30^{\circ} \mathrm{C} \sim+70^{\circ} \mathrm{C}$ (RH 95\% Max.) |
| White Balance | Auto |
| Minimum Illumination | 0.5 LUX |
| AGC | Auto |
| Resolution (TV Lines) | 480 |
| Electronic Shutter | 1/60 (NTSC) |
| Effective Pixels | $628 \times 586$ |

Above parameters can be modified without notification.

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## USER'S MANUAL ELPC4OB

REAR VIEW LICENSE PLATE MOUNT CAMERA
FEATURING HIDDEN MOUNTING BRACKET

DO NOT FULLY RELY ON REVERSE CAMERA WHEN BACKING UP.

ALWAYS CHECK YOUR SURROUNDINGS BEFORE BACKING UP.

## INSTALLATION

## 1. WIRE CONNECTION



Complete all required connections so that all lines are hidden in vehicle.

## 2. CAMERA INSTALLATION

Camera should be installed in the following configuration:
License Plate Frame Mount - Align camera frame with top-set of screw holes on license plate or license plate frame. Affix camera using license plate mount screws. See: (diagram 1)

Attention: The camera switch is controlled by reverse gear shift.

(diagram 1)

## OPTIONAL

To remove the distance guide lines:

1. Turn the system OFF before proceeding
2. Cut the white loop wire located at the connection points (camera end).
3. Insulate the wire, using tape or crimp connectors on both ends.
4. Reconnecting the wire will display the guide lines again.

To invert the camera image:

1. Turn the system OFF before proceeding
2. Cut the blue loop wire located at the connection points (camera end)
3. Insulate the wire, using tape or crimp connectors on both ends.
4. Reconnecting the wire will orient the image back to its original position.

## TROUBLESHOOTING GUIDE

The following checklist might help to solve the problems when using this unit. Please double check to ensure connection and procedure of operation is done properly before using checklist.

PROBLEM CAUSE/SOLUTION
\(\left.$$
\begin{array}{ll}\hline \text { NO IMAGE } & \begin{array}{l}\text { Check that power cable is securely connected. } \\
\text { Check to ensure there is a good connection between } \\
\text { video-in and monitor. } \\
\text { Check that REVERSE GEAR is engaged. } \\
\text { Check to ensure correct monitor setup. }\end{array} \\
\hline \text { IMAGE BLURRING } & \begin{array}{l}\text { Check for water/water stain or dust on camera lens. } \\
\text { Clean camera lens }\end{array}
$$ <br>

\hline IMAGE SHAKING \& Check to insure camera is mounted and secured tightly.\end{array}\right]\)| Adjust camera mounting bracket |  |
| :--- | :--- |
| IMAGE SLANTED | If problems persist - consult nearest service dealer. DO NOT attempt <br> to disassemble or modify unit. |

Check to ensure there is a good connection between
Check that REVERSE GEAR is engaged.

Check for water/water stain or dust on camera lens. Clean camera lens

Check to insure camera is mounted and secured tightly.
djust camera mounting bracket

## NOTE:

to disassemble or modify unit.

