

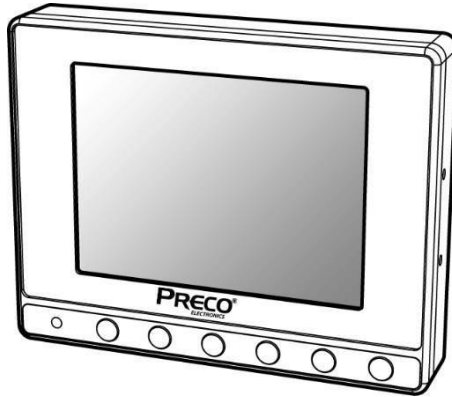


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5" Waterproof Monitor

PVM510

Operating Manual / Installation Guide



ver 1.3

CONTENTS

Product Description.....	1
Safeguard Instructions.....	1
Features.....	2
Contents.....	2
Functions.....	3
Settings.....	6
Setup.....	6
Direction.....	7
Picture.....	7
Camera.....	7
Installation.....	8
Cable Connection.....	9
Specifications.....	10
Warranty Information.....	11

Product Description

The Preco Electronics® PVM510 is a heavy duty IP67 waterproof monitor with three camera inputs. The PVM510 has the ability to switch views based on the status of the three trigger inputs. These triggered inputs allow the monitor to automatically switch to display the camera view that is associated with the triggered wire, usually the reverse or turn signals. Upon cancelation of the triggered signal, the monitor automatically returns to the previously selected camera view.

Safeguard Instructions

Please read the following cautions carefully before using this product. Following these rules prevent users from damages related to the misuse of the product.

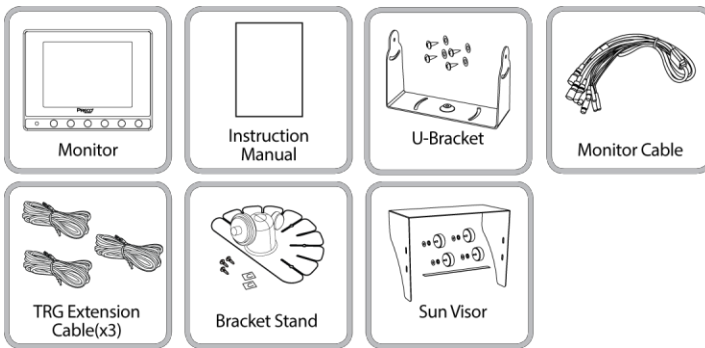
Caution:

- Electrical shock or damage to the product may occur if machine power is not turned off during installation.
- Do not install the monitor closer than 6" (15cm) to a heat emitting source.
- Do not clean exterior with solvents as they may damage the product and could potentially cause a fire.
- Do not mount the unit where it would be subjected to extreme vibration or shock.
- Do not place near a magnet as it may cause undesirable performance.
- Do not disassemble unit as it will void the warranty.

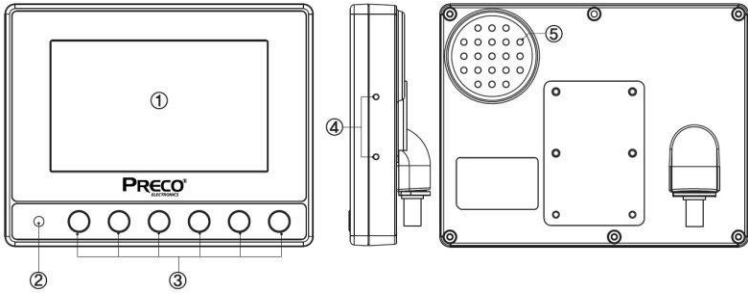
Features

- Waterproof (IP67), Aluminum housing
- 5" TFT LCD with low reflection
- Volume control
- 3 Camera input
- Dimmer function
- 6 Language display selection (ENG-DEU-ITA-FRA-ESP-JPN)
- Working voltage (DC12V to DC24V)
- Mirror left/right, flip up/down function

Contents



Functions



1. 5" LCD Screen WVGA (800x480)
2. Stand by LED light
3. Buttons - Dimmer, Left, Right, Mode, Menu, Power
4. U Bracket / installation, Sun Visor mounting holes
5. Waterproof Speaker

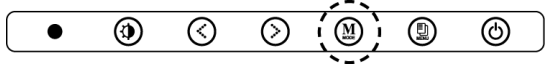
Functions Continued

Power ON / OFF

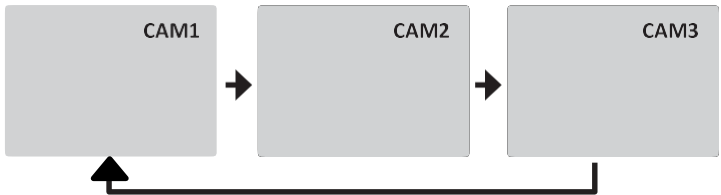


- 1) Press POWER button for power ON. (Stand-by LED is OFF)
- 2) Press POWER button again for power OFF. (Stand-by LED is ON)

Mode



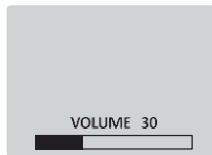
- 1) Press MODE button
- 2) CAM1 - CAM2 - CAM3 - CAM1 appears on the screen



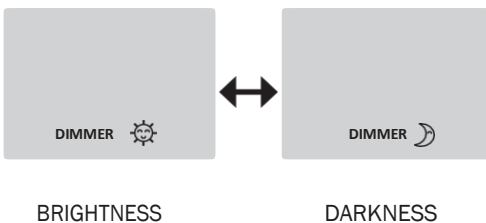
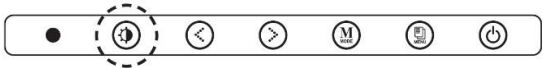
Volume Control



- 1) Press LEFT/RIGHT button
- 2) The monitor shows volume on the screen and volume is UP/DOWN. (0~100)



Dimmer



Switching screens with trigger input wires

The trigger signal works by using an input signal to switch screens. For example, if the driver uses right/left turn signal or puts the vehicle into the reverse gear, the monitor shows the connected camera on screen that is associated or triggered by that action.

Example below is set with:

TRG1 (reverse light) = CAM1

TRG2 (Right turn signal light) = CAM2

TRG3 (Left turn signal light) = CAM3

- 1) If there is an input trigger signal, the left turn signal, the camera associated with the left turn signal will display on screen instead of the rear view camera. The rear view camera will be displayed again once the left turn signal is turned off.

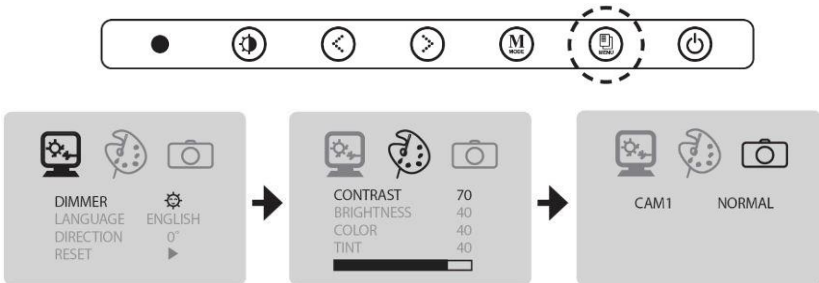


- 2) In the case where the emergency blinkers (TRG2+TRG3) are turned on, the monitor will display CAM1. The monitor will switch to its previous screen once the emergency blinkers are turned off.

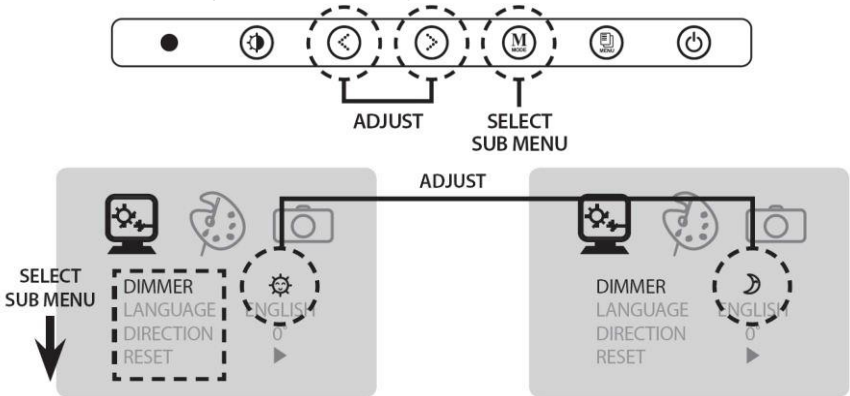


Settings

- 1) Use the MENU button to change to MAIN MENU (SETUP - PICTURE - CAMERA)

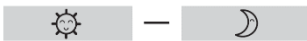


- 2) Use the MODE button to select SUB MENU and then use LEFT/RIGHT button to adjust.

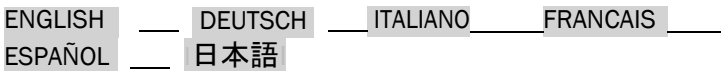


Setup

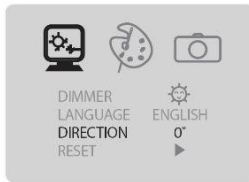
- DIMMER



- LANGUAGE

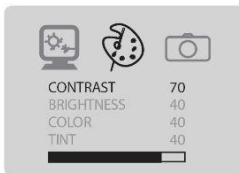


Direction



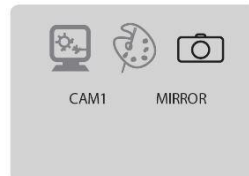
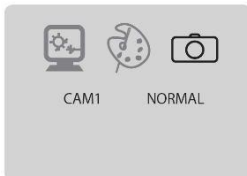
RESET: Reset will change all monitor settings to the factory default values.

Picture



- 1) After pressing MENU, Use the MODE button to select the CONTRAST, BRIGHTNESS, COLOR, TINT menu.
(Selected menu is highlighted in red.)
- 2) Press LEFT/RIGHT button to adjust the number.

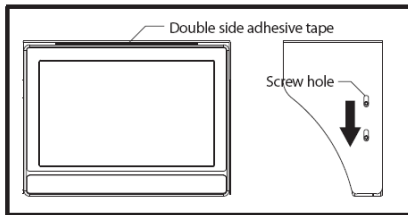
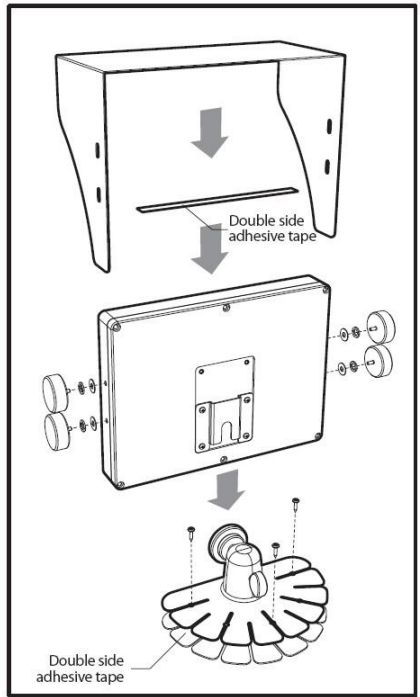
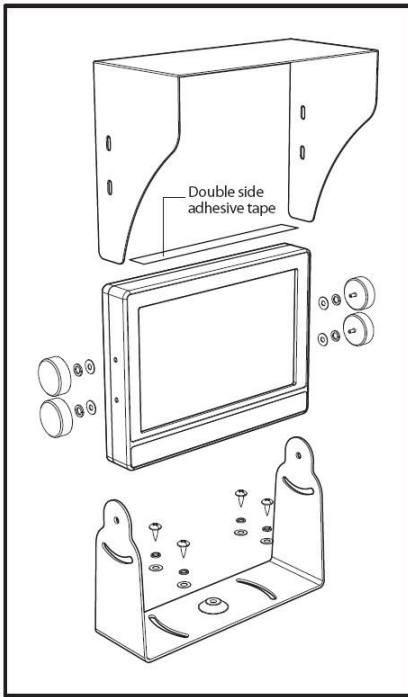
Camera



- 1) Using the menu key, select to display the connected camera you wish to change. Use the arrow keys to select between NORMAL and MIRROR function.

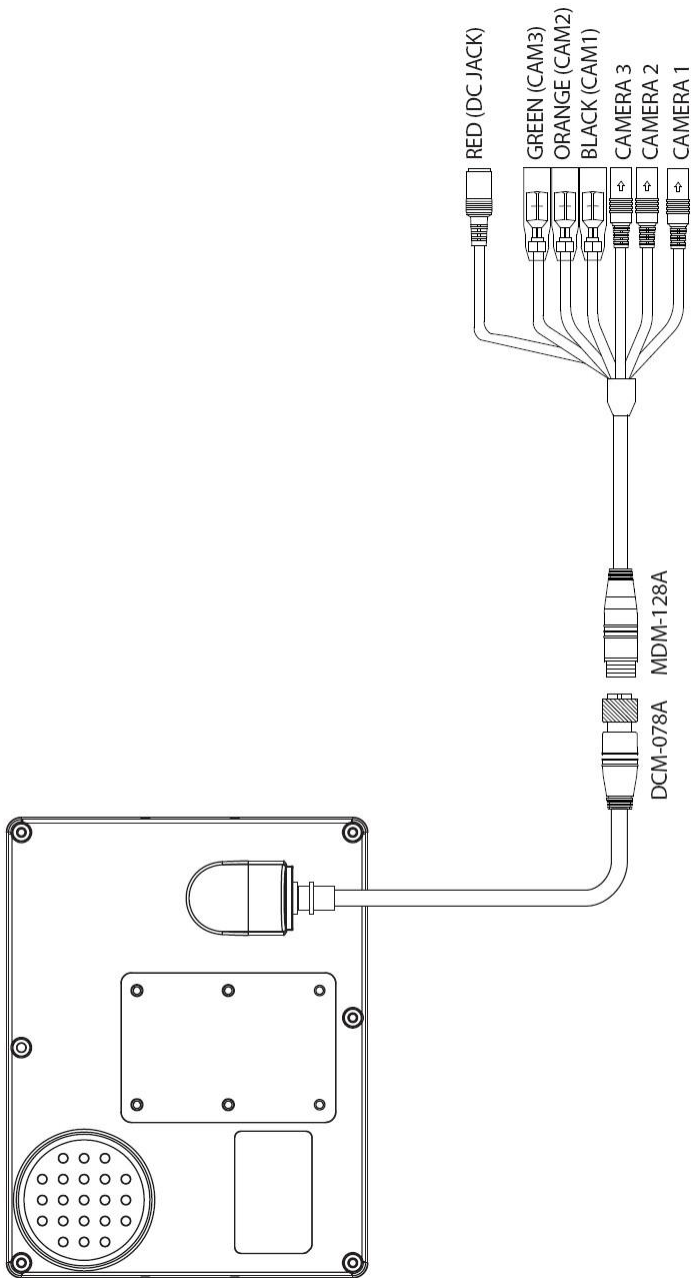
For example, If CAM2 (or CAM3) is currently being displayed, then NORMAL or MIRROR mode will be adjusted for CAM2 (or CAM3).

Installation



Sun Visor should be installed with 4 screws.

Cable Connection



Specifications

<LCD Panel>

LCD size	5" (127 mm)
Image ratio	16 : 9
Resolution	800 x3(RGB) x 480
Brightness	500cd
Contrast range	700 : 1
Active area	4.5" (108.0 mm)(W) x 2.55" (64.8 mm)(H)
Viewing angle	70(L) / 70(R) / 50(T) / 70(B)

<Monitor>

Input System	AUTO (NTSC/PAL)	
Input	Video signal	Composite Video (CVBS) 75Ω 1Vp-p
	Audio signal	MONO
Power	Operating voltage	DC 12V - 24V
	Current consumption	330Ma (DC 12V, monitor set only)
Speaker	Max. 0.3W	
OSD Display language	6 Languages	
Operating Temperature	14F (-10 °C) ~ 140F (60 °C)	
Storage temperature	-4F (-20 °C) ~ 158F (70 °C)	
Dimension	6.06" (154 mm)(W) x 4.76" (121 mm)(H) x 0.92" (23.5 mm)(D)	
Weight	20.29 ounces (575g) (monitor only)	

Regulatory Compliance

'CE' 'E' Mark E11 10R-035096

Design and specifications are subject to change without notice.

Warranty Information

MANUFACTURER LIMITED WARRANTY AND LIMITATION OF LIABILITY

Manufacturer warrants that on the Date of Purchase this Product will conform to Manufacturer's published specifications for the product, which are available from Manufacturer on request, and Manufacturer warrants that the product is free from defects in materials and workmanship. This Limited Warranty extends for twelve (12) months from the date of shipment. Manufacturer will, at its option, repair or replace any product found by Manufacturer to be defective and subject to this Limited Warranty.

This Limited Warranty does not apply to parts or products that are misused; abused; modified; damaged by accident, fire or other hazard; improperly installed or operated; or not maintained in accordance with the maintenance procedures set forth in Manufacturer's Installation and Operating Instructions.

To obtain warranty service, you must ship the product(s) to the specified Manufacturer location within thirty (30) days from expiration of the warranty period. To obtain warranty service you must call PRECO Electronics® Customer Service at 866-977-7236 or 208-323-1000, or fax your request to 208-323-1034. Customer Service will issue warranty authorization and further instructions. You must prepay shipping charges and use the original shipping container or equivalent.

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