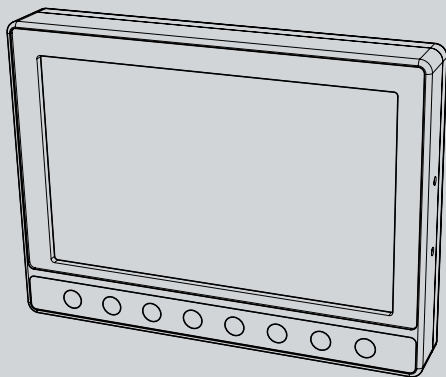


RG7WP

7" WATERPROOF MONITOR

INSTRUCTION MANUAL

Thank you for purchasing this product.
For proper usages and application,
Please read this instruction manual thoroughly.





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SAFEGUARD INSTRUCTIONS

7" WATERPROOF MONITOR

Please read the "Safety Rules" carefully before using this product. Following the safety rules prevents users from damages related with the misuse of the product. It is very important to follow these safety rules. We state "Caution" and "Warning" to clarify any potential risk for a damage associated with the misuse of the product.



NOTICE

This information is for user's reference for better usability.



CAUTION

This information is for preventing damage or shorten the life time of the products.



WARNING

This information is for preventing bodily harm or even death and use should follow this safety rules.

CAUTION



Should install while power off. (After install products, connect DC jack)
- It may cause to electronic shock or malfunction.



While stop driving (parking), set the car in motion.
- It may cause battery discharge.



Do not use multi socket or extended adaptor.
- It may cause unexpected heating, fire and malfunction.



Unplug product when do not use for a long time.
- It may case fire by short circuit due to heating.



Do not place near magnet.
- It may cause malfunction and trouble.



Before install the body, take enough place at least more than 15cm from the wall to emit heat.

 **WARNING**



Do not put the product in place where sudden temperature increasing and should use on optimum voltage, temperature and humidity.

- It may cause to electronic shock or malfunction.



Do not place near of air bag effective range.

- It may cause malfunction of air bag or accident, injury due to hitting monitor by air bag.



Keep clean dust on power socket.

- It may cause electronic shock and fire by bad connection.



Do not pull cord with a jerk, should catch a plug and pull. Do not use damaged cord.

- It may cause cord malfunction, electronic shock and fire.



When clean exterior, power off and wipe with dry cloth.

- Wet cloth may cause a electronic shock.



Do not clean exterior with alcohol, volatility or oily solvent.

Neither keep touching rubber and plastic for long time.

- It may cause change of surface, fall of paint, malfunction and fire.



Do not place where vibration and shock.

- It may cause throw down and then malfunction and accident.



Do not put a pin or needle on the hole or crack in the body.

- In case of inserting them, stop to operate, it may cause electronic shock, fire and malfunction.



Do not use in problem condition as like smoking, smell something burn.

- It may cause fire. Stop to use and make inquiries to agency.



Do not disassemble, repair and remodeling.

- It may cause malfunction and injury, can not get warranty.

- Make inquiries to agent for repair and checkup.



When the power cable cord touches a metal case, cover it with a friction tape.

- Short circuit or disconnection of wire may cause a fire or accident.



Do not use bolts or nuts from a parts for vehicle.

- Using bolt or nuts from steering column or break may cause an accident.



After installing, check it break lamp, head lamp and wipe works properly.

1

FEATURE

7" WATERPROOF MONITOR

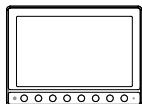
- Water Resistant (IP67), Aluminum housing
- Application of 7" wide TFT LCD with high resolution and low reflection
- All functions are displayed on screen (OSD function)
- 7 Languages display selection(ENG-DEU-ITA-FRA-ESP-KOR-JPN)
- Picture quality control (PWM control)

2

CONTENTS

7" WATERPROOF MONITOR

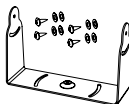
- Before use this products, please check below contents. If there is something missing parts, please contact sales agent.



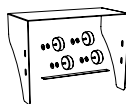
Monitor



Instruction
Manual



U-Bracket



Sunvisor

OPTION



Monitor Cable
(1 camera)



TRG Extension
Cable(x1)



Stand



Cigar Cable



Monitor Cable
(3 camera)



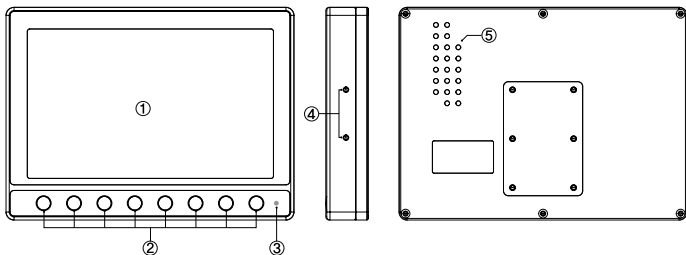
TRG Extension
Cable(x3)

* Design and Specifications are subject to change without notice.

3

FUNCTION OF EACH PART

7" WATERPROOF MONITOR



1. LCD SCREEN

WQVGA (480x234)

2. BUTTONS

DIMMER, MODE, UP/DOWN/LEFT/RIGHT, MENU, POWER

3. STAND BY LED

Stand by lamp

4. SUN VISOR HOLE

Sun Visor installation hole

5. SPEAKER HOLE

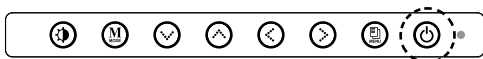
Speaker hole (Waterproof)

4

FUNCTION

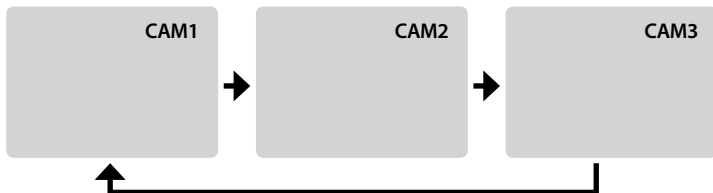
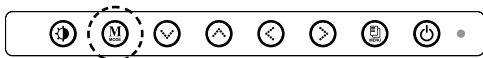
7" WATERPROOF MONITOR

1 POWER ON / OFF



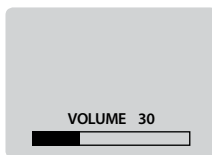
1. Press POWER button for power ON. (Stand-by LED is OFF)
2. Press POWER button again for power OFF. (Stand-by LED is ON)

2 MODE



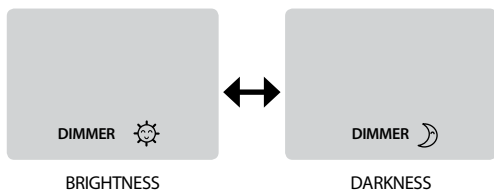
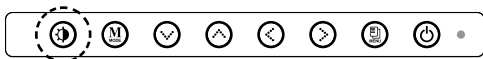
1. Press MODE button.
2. CAM1 - CAM2 - CAM3 - CAM1 appears on the screen.
3. it is disappeared after 3 sec.

3 VOLUME CONTROL



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

4 DIMMER

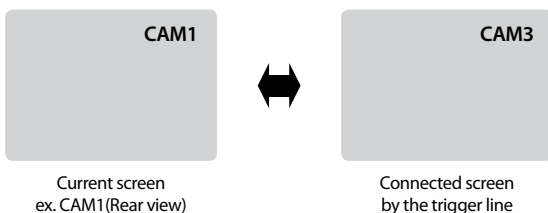


5 Screen switch while trigger input

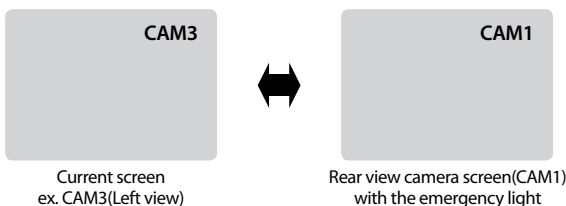
What is <Trigger input> or <Trigger signal>? We call it when a circuit works by a signal for example if driver uses right/left turn signal or reverse gear, the monitor shows connected camera screen on driving mode.

* Below example is set with TRG1(Rear light)=CAM1 / TRG2(Right signal light)=CAM2 / TRG3(Left signal light)=CAM3.

1) If there is trigger signal input, the connected screen (Trigger input screen) is displayed and the screen goes former one when the signal is disappeared.



2) In case of light on emergency blinker(TRG2+TRG3), the monitor displays CAM1. And the screen goes former one when the signal(light on emergency blinker) is disappeared.



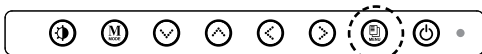
NOTICE

The example is set with TRG1(Rear light)=CAM1 / TRG2(Right signal light)=CAM2 / TRG3(Left signal light)=CAM3.

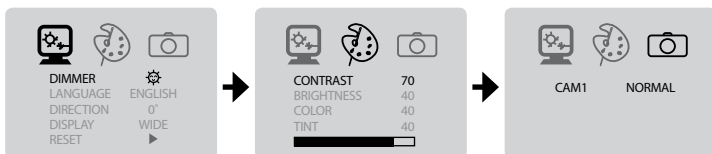
5

SETTING

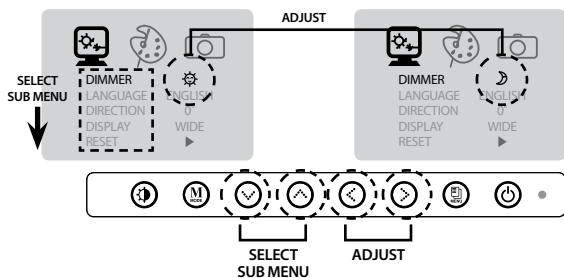
7" WATERPROOF MONITOR



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

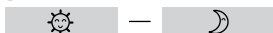


2. Use UP/DOWN button to select SUB MENU and then use LEFT/RIGHT button to adjust.



SETUP

- DIMMER



- LANGUAGE



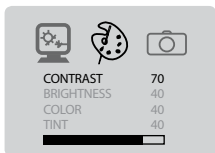
- DIRECTION



- DISPLAY NORMAL — CINEMA — FULL — WIDE

- RESET : Reset will have the monitor with the factory default value.

PICTURE



1. Use UP/DOWN button to select CONTRAST, BRIGHTNESS, COLOR, TINT menu.
(Selected menu is in red.)

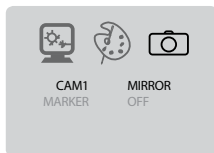
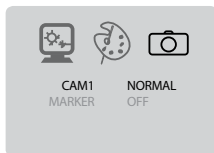
2. Press LEFT/RIGHT button to adjust the number.

CAMERA

- NORMAL / MIRROR

Connected camera "NORMAL/MIRROR" selecting function

In CAM1(or CAM2,CAM3) Mode, CAM1(or CAM2,CAM3) "NORMAL/MIRROR" is adjusted.

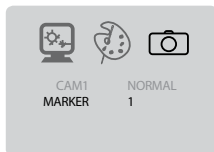
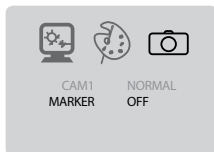


- MARKER

This "MARKER" function is available only FULL mode.

In CAM1(or CAM2,CAM3) Mode, CAM1(or CAM2,CAM3) "MARKER" is adjusted.

You can choice the mode from OFF, 1, 2, 3 and 4 by pressing RIGHT button.



OFF



1



2

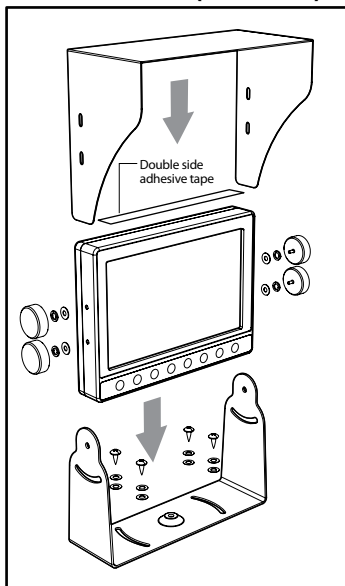


3

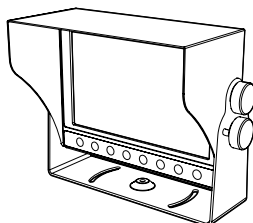


4

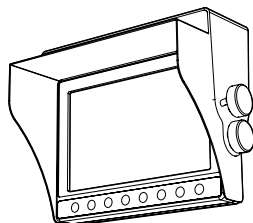
INSTALLATION (U-Bracket)



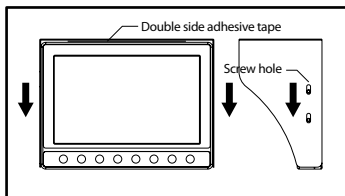
1. Before installation, place the product on enough space to radiate a heat easily. Install the monitor stand with enclosed screws and double side adhesive tape as the picture.
2. Fix the monitor to the monitor stand firmly.



Standard Installation

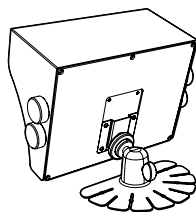
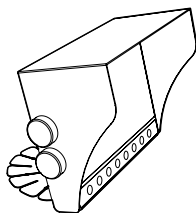
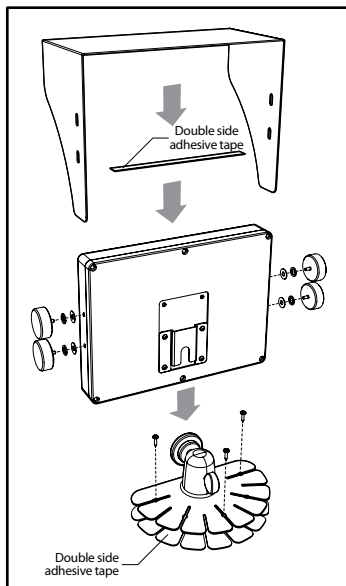


Ceiling Installation



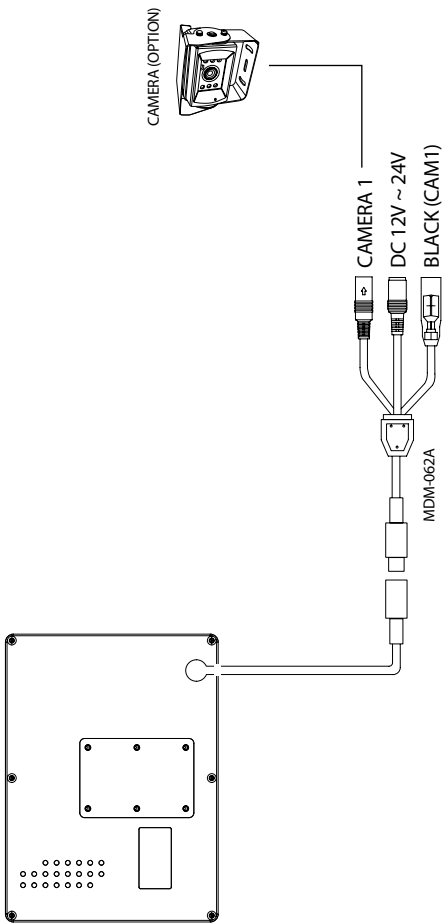
3. Sun Visor should be installed with 4 screws.

INSTALLATION

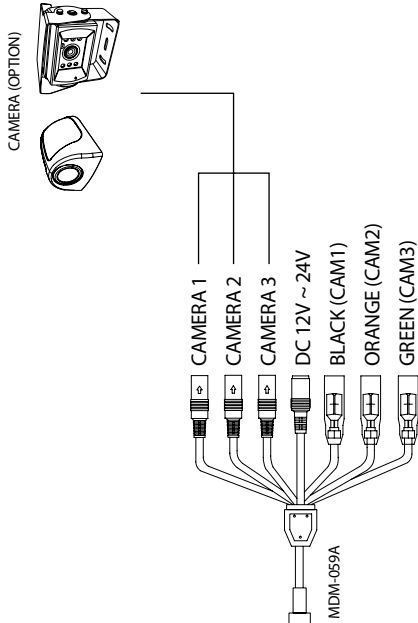
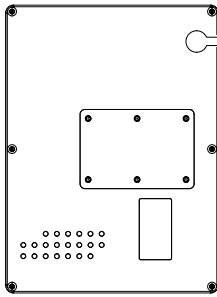


1. Before installation, place the product on enough space to radiate a heat easily. Install the monitor stand with enclosed screws and double side adhesive tape as the picture.
2. Fix the monitor to the monitor stand firmly.

CONNECTION (STANDARD)



CONNECTION (OPTION)



7

SPECIFICATION

7" WATERPROOF MONITOR

LCD Panel	Screen size	7 inch
	Resolution	WQVGA (480x234)
Power Supply	Voltage	DC 12V ~ 24V
	Current	450mA (DC 12V, monitor set only)
Input System		NTSC / PAL
Frequency	NTSC	H : 15.734 kHz / V : 59.94 Hz
	PAL	H : 15.625 kHz / V : 50 Hz
Input Signal	Video Signal	Composite Video (CVBS)
	Audio Signal	MONO signal 400mVrms
Speaker		0.5Watt max.
Language display selection		7 Languages
User Controls (8 button)		Dimmer, Mode, Down, Up, Left, Right, Menu, Power
Operating temperature		-10°C ~ 60°C
Storage temperature		-20°C ~ 70°C
Dimension		180(W) x 133(H) x 27(D) mm
Weight		780g (monitor only)



NOTICE

In case of starting usage on low temperature than working temperature, the screen may blink for a while (2~5 minute). Please wait about 10 minutes and try to power on again.

INSTRUCTION MANUAL