

## INSTRUCTION MANUAL

※ Design and specifications could be changed without notices.

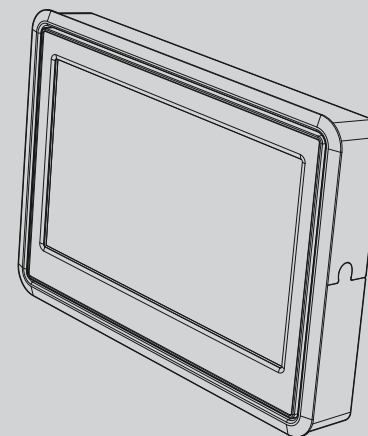


ver. 1.0 PRINTED IN KOREA

*Perimeter View™*

# **01-CM-709M1**

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





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This unit has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular Installation.

If this unit does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.

■ INFORMATION FOR USERS:  
CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.

## 1 Safety Instructions

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.

### Warning



May cause bodily harm or even death if the user ignores these warnings in the safety rules.

### Caution



May cause a damage or shorten the life time of the product if the user ignores these cautions in the safety rules.



### 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 get product wet and operate with wet hands.  
--- It may cause to electronic shock or malfunction.
- ❗ Do not place where interfere with visual field and watch or operate monitor during driving.  
--- It may cause traffic accident.
- ❗ 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 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 metals as like pin and needle into hole and chink of grill, speaker.  
--- 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.



### CAUTION



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



- Do not push a LCD panel.  
--- It may cause LCD broken.



- In case of inserting battery, attend to polarity and insert according to direction  
--- When wrong inserting, it may cause fire, damage by explosion.



- 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.

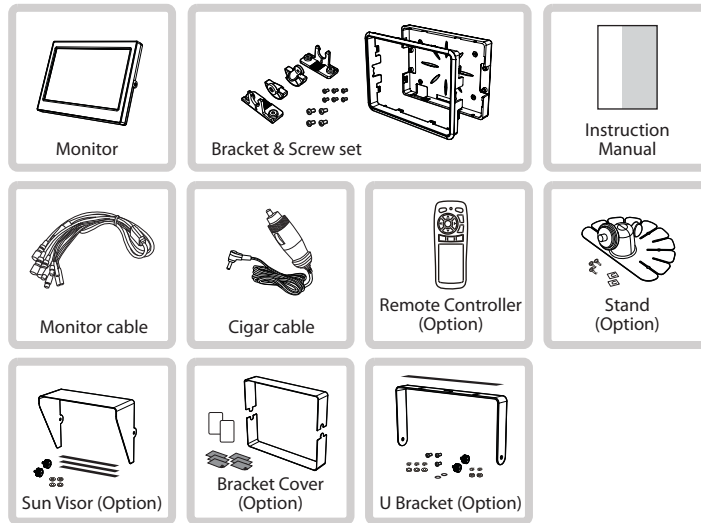


- Unplug product when do not use for a long time.  
--- It may case fire by short circuit due to heating.



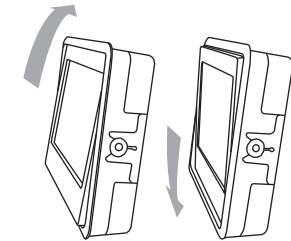
- Do not place near magnet.  
--- It may cause malfunction and trouble.

## 1 Box Contents



## 2 Features

- Application of 7.0" WIDE TFT LCD with high resolution and low reflection
- All functions are displayed on screen (OSD function)
- 7 Language Display Selection  
(ENGLISH-DEUTSCH-ITALIANO-FRANÇAIS-ESPAÑOL-한국어-日本語)
- Picture quality control (PWM control)
- Free voltage (From DC12V to DC24V)
- Dimmer selection function
- Camera input (3 system)/Work together with back gear/side signal
- Video input (video/mono audio)
- Wireless remote controller (option)
- This product adopts tilting function so watching is possible from wanted angle.



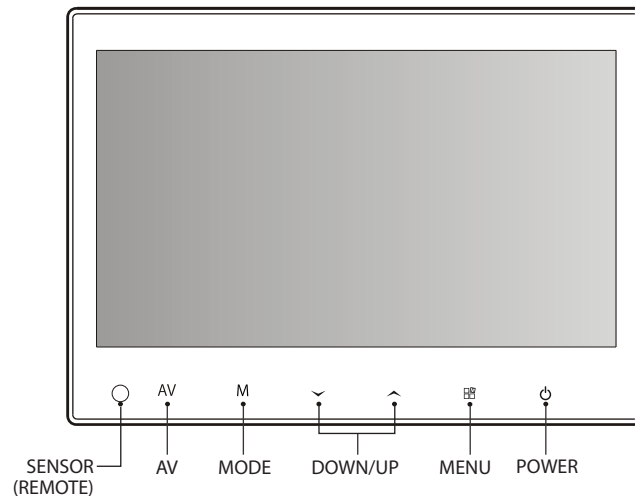
### 3 Before Use

- ※Not back up vehicle while relying only on the monitor image and use slow speeds when backing up.
- ※The rear-view monitor image has the same right-left inversion as your vehicle's rearview mirrors. Depending on the vehicle, the field and angle of view may differ.

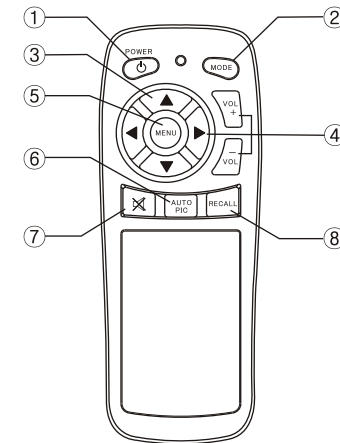
#### ▣ Precautions (when you use the monitor)

- Screen may be a little dark when the product is operated in low temperature areas. Screen will show normal luminosity after a few minutes.
- When you install the product in a car and watch monitor, the car engine should be running as there might occur excessive discharge of the car battery.
- Cover the product when exposed to direct rays of the sun for a long period of time.  
(You should keep the product at a temperature range of -4°F ~ 158°F)

### 4 Names of the Monitor Buttons



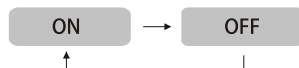
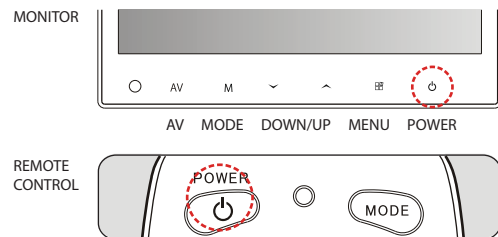
### 5 Remote Control (option)



- |               |  |
|---------------|--|
| ① POWER       | Turning the power on/off                     |
| ② MODE        | Selecting REAR/LEFT/RIGHT/AV                 |
| ③ ▲▼          | Moving up/down on menu                       |
| ④ ◀▶ (VOL+/-) | Changing volume or MENU level                |
| ⑤ MENU        | Selecting MENU and changing functions        |
| ⑥ AUTO PIC    | Adjusting the screen setting                 |
| ⑦ MUTE        | Mute mode on/off                             |
| ⑧ RECALL      | Displaying the current mode and volume level |

## 6 Functions

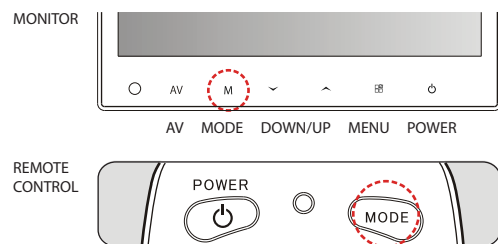
### 1 POWER



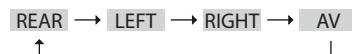
- (1) Press [POWER] button to the power. (STAND BY state is OFF)
- (2) Press [POWER] button again to off the power. (STAND BY state is ON)

### 2 MODE (REAR/LEFT/RIGHT/AV)

- It is a function to change MODE (REAR/LEFT/RIGHT/AV)



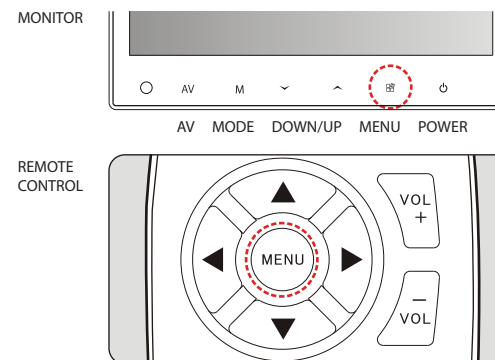
- (1) Press [MODE] button.  
The characters of REAR, LEFT, RIGHT, AV appear on the screen and they disappear after 5 seconds.



- \* Note : In the mirror mode, the character is inverted.
- \* If there is no video signal in the mode, it will be skipped in the toggling mode.

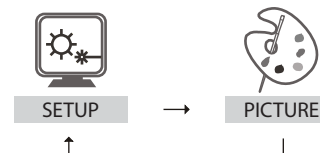
### 3 MENU 4 UP/DOWN

- It is a function to select MAIN MENU (SETUP/PICTURE)



- (1) Press [MENU] button to select MAIN MENU, changed color in red when it is selected.

- \* Every time the button is pressed, the setting changes.



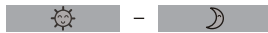
- (2) Press [▲▼] button to select SUB MENU, changed color in red when it is selected.

- \* Every time the button is pressed, the setting changes.

- (3) Press [◀▶] button to change settings.

## SETUP (SUB MENU)

### DIMMER



### LANGUAGE



### DIRECTION (Inverted upside down)



### DISPLAY (Screen size)

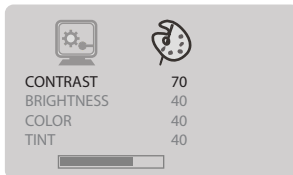


### RESET

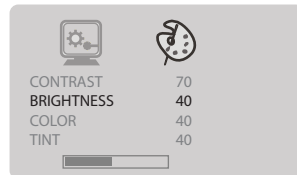
A factory default reset will clear all of OSD information.

## PICTURE (SUB MENU)

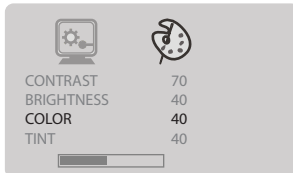
### CONTRAST



### BRIGHTNESS



### COLOR

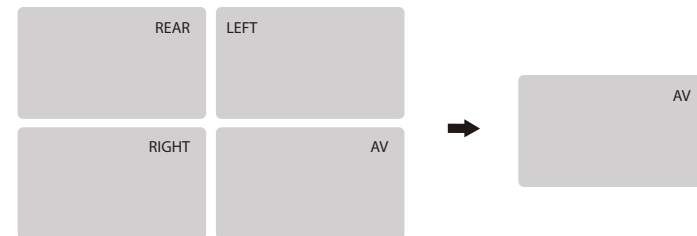
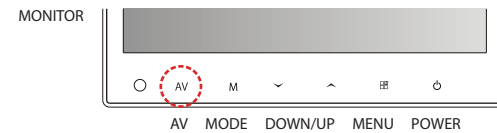


### TINT

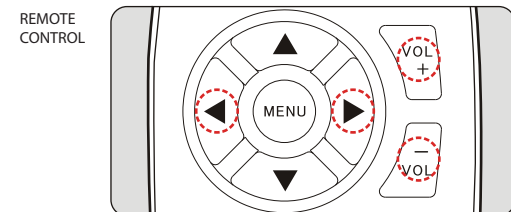
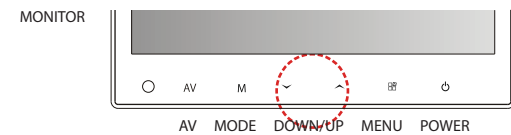


## 5 AV

It is a function to change AV MODE.

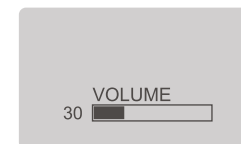
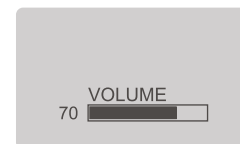


## 6 VOLUME +/-

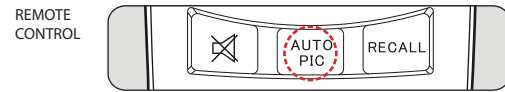


(1) Press [▶,VOL+] button to turn up the volume.

(2) Press [◀,VOL-] button to turn down the volume.



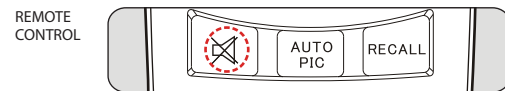
## 7 AUTO DISP



(1) Press [AUTO PIC] button to select the screen size.



## 8 MUTE



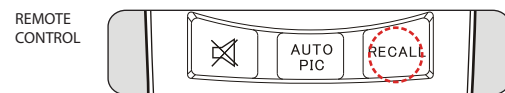
(1) Press [MUTE] button to mute the sound.



(2) Press [MUTE] button again to cancel.

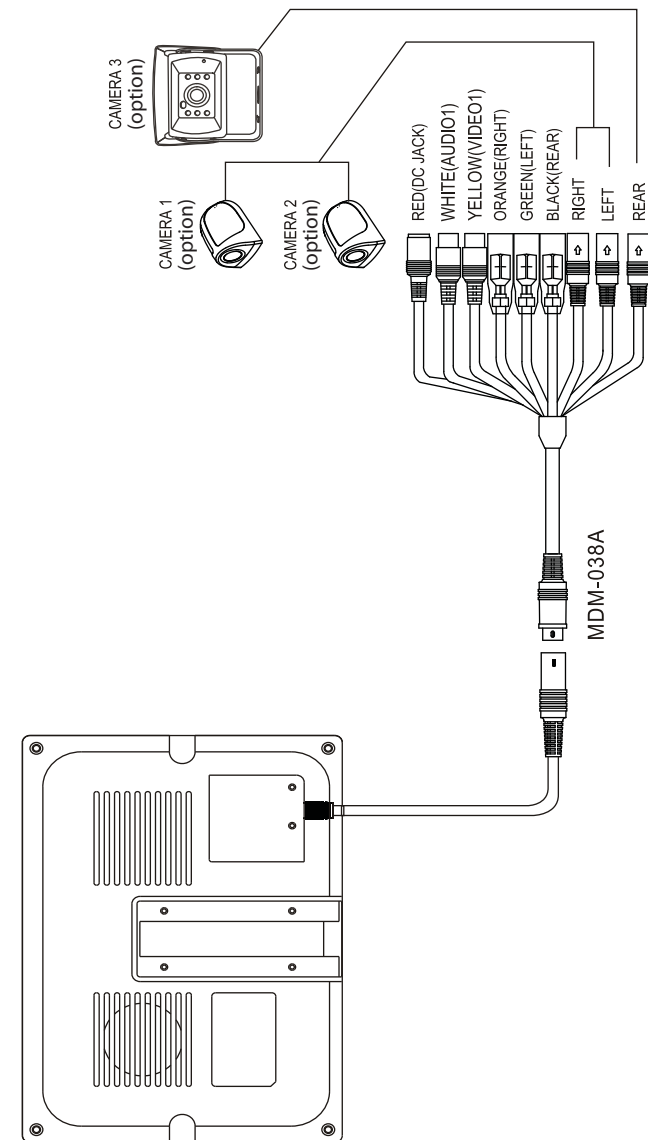


## 9 RECALL



(1) Displaying the current mode and volume level.

## 7 Connection





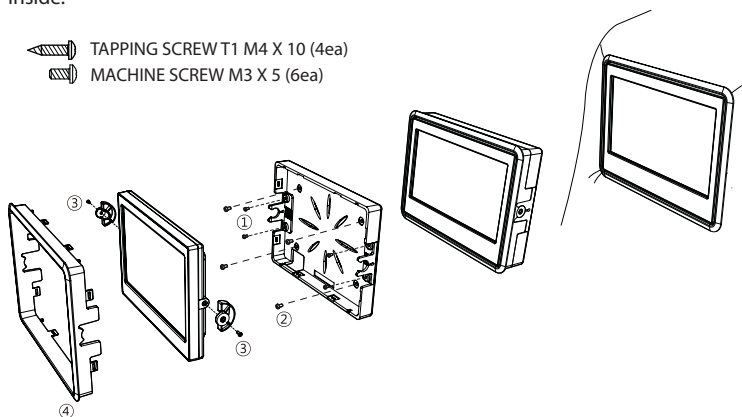


## 8 Installation

### 1 Inserting Type >>

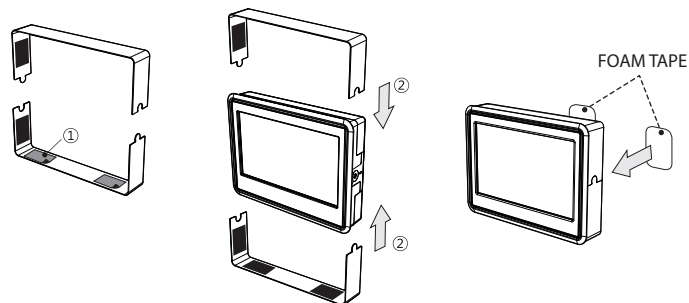
Appoint attaching place and put together the monitor and bracket as follows installation drawing. Insert combined monitor after arranging connecting cable inside.

-  TAPPING SCREW T1 M4 X 10 (4ea)
-  MACHINE SCREW M3 X 5 (6ea)






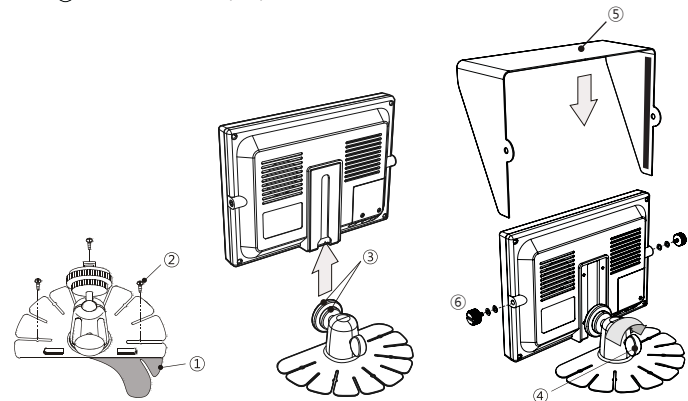
### 2 Exposure Type >> (Bracket Cover : OPTION)

※ When you use the monitor exposurely , bracket cover make clean side of monitor.



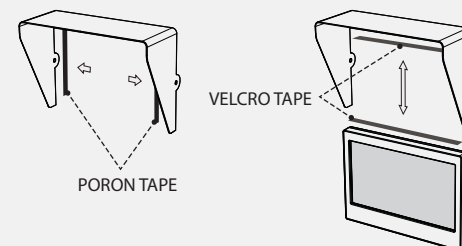
### 3 Monitor installation with stand & sun visor >> (OPTION)

-  TAPPING SCREW T1 M4.0 X 12 (3ea)
-  INSERT BOLT (2ea)
-  FLAT WASHER M3 (4ea)



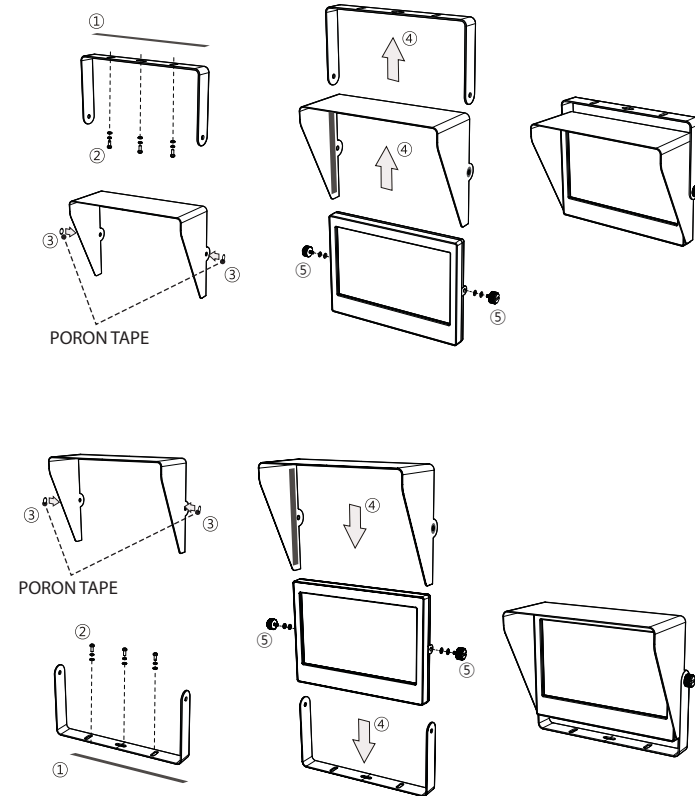
- (1) Remove a protecting tape and attach stand place.
- (2) Fix a stand with tapping screw.
- (3)&(4) Connect stand and monitor and fix a height of monitor with fix knob.
- (5) Then attach a sunvisor to monitor side and fix it with a screw.

#### NOTICE



#### 4 Installation with u-bracket & sun visor >> (OPTION)

- (1) Place U-bracket and fix it with enclosed screw.
- (2) Put fixed bracket to monitor and screw down with bolt both side.



- ✚ TAPPING SCREW T1 M4.0 X 10 (3ea)
- ⚙ INSERT BOLT (2ea)
- ⊙ SPRING WASHER M4 (5ea)
- FLAT WASHER M4 (5ea)

## 9 Specifications

		NTSC	PAL
LCD Panel	Screen size	7 inch	
	Number of pixel	480(W) x 3(RGB) x 234(H)	
	Brightness	450 NIT	
	Contrast ratio	300 : 1	
Power supply	View angle(L/R/U/D)	60/60/40/60	
	Voltage	DC 12V-24V	
Input system		AUTO (NTSC/PAL)	
Frequency	Horizontal	15.734 KHz	15.625KHz
	Vertical	60 Hz	50 Hz
Input signal	Video signal	Composite video signal	
	Audeo signal	MONO signal 400mVrms	
Speaker		0.5Watt max	
Language display selection		7 Language	
User controls		Power, Mode, Menu, Up, Down, AV	
Operating temperature		14°F~140°F (-10°C~60°C)	
Storage temperature		-4°F~158°F (-20°C~70°C)	
Dimension(W x H x D)		7.9(W) x 4.76(H) x 1.21(D) inch	
		201(W) x 121(H) x 30.7(D) mm	
Weight		1 lb (500g)	
Accessories		Monitor cable ass'y	
		Cigar cable	
		Bracket & screws set	
		Bracket cover	
		U-Bracket (option)	
		Remote controller (Included with battery)(option)	
		Sun visor (option)	
		Stand (option)	