



ThunderVision
Monitoring System
User Guide



FEATURES

- 7" LED Backlit, high resolution TFT LCD screen
- Wide voltage input: 11-32V
- 3 Channel Inputs, displays 3 images consecutively
- Manual or automatic image switching modes
- Forward/Mirror image selection
- Event Triggers provided for all 3 cameras. Cameras can be triggered for events such as backing up or door opening
- Power provided to only active camera, prolonging the life of the cameras.
- AV input and output jacks provided
- Auto ON/OFF LED sensor automatically triggers night vision when required
- Includes credit card style remote control
- Backlit control buttons enable easy menu navigation in all lighting conditions

WARNINGS

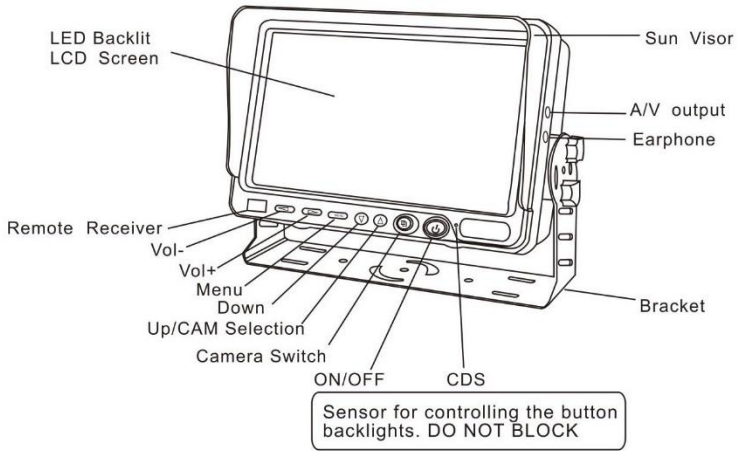
- Please read entire manual before using our products
- Before you power your rear view monitoring system, ensure that all cables are properly connected to avoid damage to the system
- Monitor IS NOT WATERPROOF, please do not place the monitor outdoors
- Ensure that all cables are routed a sufficient distance from high temperature areas and rotary objects
- To ensure proper heat dispersal, ensure that vent holes in monitor remain clear
- Do not open the monitor or camera casing, doing so will void the warranty
- DO NOT watch DVD's etc. while driving
- Please do not use caustic chemicals to wipe the camera and/or monitor

WARRANTY POLICY

Thunderstone Manufacturing warrants each product to be free from defects in material and workmanship for a period of 90 days. This warranty is voided if the customer uses the product in an unauthorized or improper way, or in an environment for which it was not designed. This warranty is applicable to the first purchaser only.

Monitor

I. Monitor Introduction

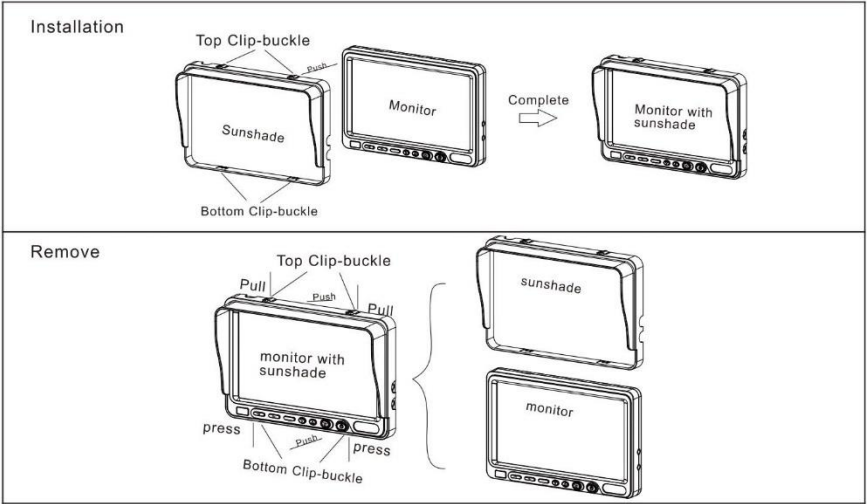


II. Specifications

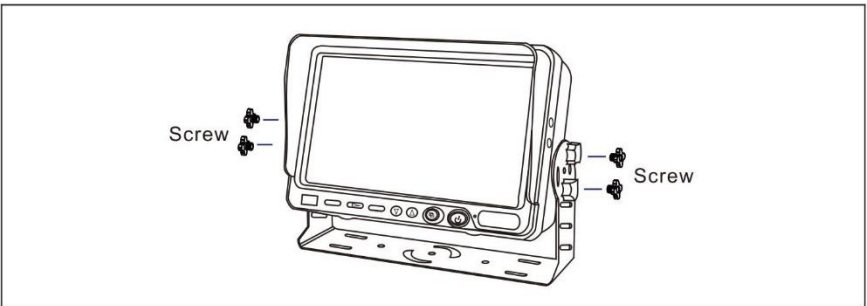
Screen Size	7" (16:9) digital panel
Overall Size	185mm(W)x124mm(H)x48(D) without mounting bracket
Weight	400g
Power Input	AC 10.5-16.9V, 1,200 ma (2 cameras)
Color System	NTSC/PAL auto switch
Operating Temp	-4°F~122°F (-20°C~50°C)
Brightness	400cd/m ²
Resolution	800(RGB) x 480
Contrast	500:1
Number of Camera Inputs	3

Monitor

III. Install/Remove Sun Visor



IV. Installation of Monitor Bracket



Monitor

c. TRIG DELAY OPTION:



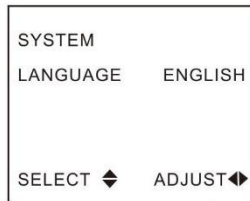
CH Priority: Press Up/Down to select CH Priority, press Left/Right to select CAM1/CAM2/CAM3 as the value of CH Priority

DELAY: Press Up/Down to select CAM1/CAM2/CAM3 for delay set up.

Delay Time: press Left/Right to adjust time between

0-10 seconds.

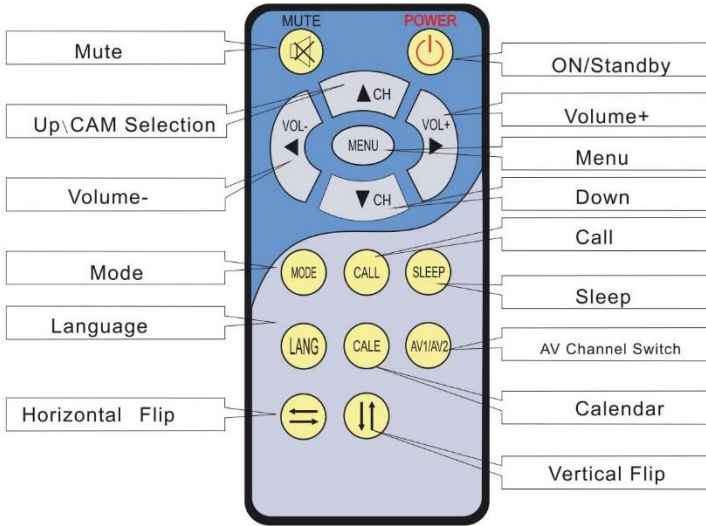
d. System



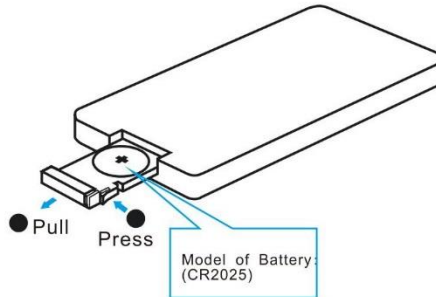
Press Up/Down to select Language, press Vol+/- to select Chinese/English.

Remote Control

I. Introduction



II. Replace Battery



Remote Control

III. Button Function

MUTE

Press Mute to turn sound off, to resume volume, press Mute again or press VOL+

POWER

For ON/OFF

CH button (up/down)

CH (Down)

To select menu CH (Up) or CH (Down)

VOL-/+

a. Adjust volume of monitor.

b. Adjust brightness, contrast, etc.

c. Activate other functions, such as: mirror/normal image switch, delay time adjustment, etc.

MENU

Menu Display.

MODE:

User can use this key to select four modes: standard color, soft color, rich color and bright.

CALL

Press this button is to display currently displayed AV channel

SLEEP/TIMER

Time setup of sleep off, it is used to set the time off within 120 minutes.

Language

Language selection of Chinese or English,

AV1/AV2/AV3

Press this button to toggle between the 3 video inputs

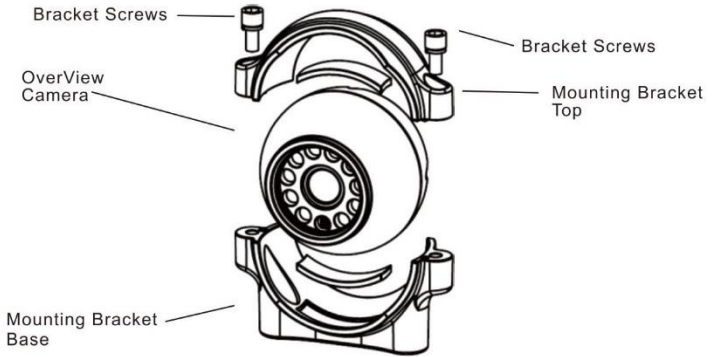


Press this button to flip the picture horizontally.



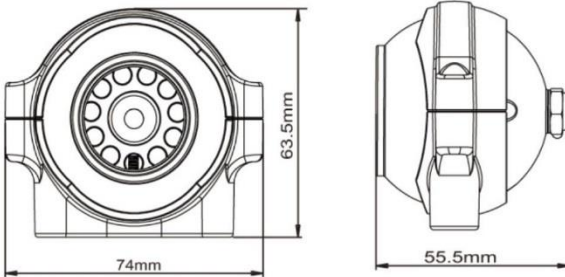
Press this button to flip the picture vertically.

Camera









Camera Specifications

Video System	NTSC
Image Pick-up Device	Sharp 1/3" Color CCD
Horizontal Resolution	600 Horizontal lines
Minimum Illumination	0 LUX @ F2.0
Lenses Furnished	Board Lens 2.8mm
Synchronous System	Internal Synchronization
Operating Temp	-4°F~122°F (-20°C~50°C)
Power Supply	Dc12v +/-10%
Waterproofing Criteria	Ip69K
Dimensions	74mm(W) x 55.5mm(D) x 63.5mm(H)

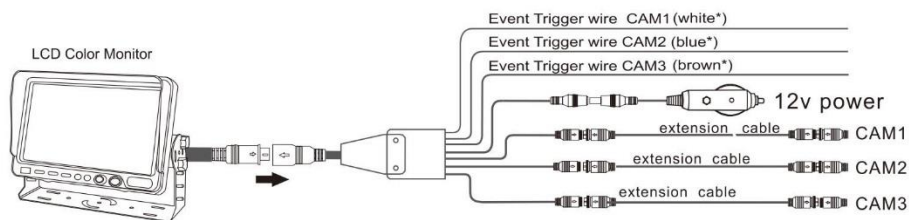


Included Components

 <p>Monitor w/ bracket</p>	 <p>Monitor remote control</p>	 <p>Power/Video harness</p>
 <p>*Camera(s) w/ bracket</p>	 <p>*20M power/video cable(s)</p>	 <p>12v lighter adaptor</p>

*DMOV-7M-C1 includes x1 camera and x1 power/video cable
 *DMOV-7M-C2 includes x2 cameras and x2 power/video cables

Connection Chart



- 1) Cameras 1-3 have an available event trigger wire. Cameras are identified as 1,2 and 3.
 CAM1 - White connector
 CAM2 - Blue connector
 CAM3 - Brown connector
- 2) Regardless if monitor is ON or in Standby mode, if power is applied to the trigger, activated camera will become powered

* Event Trigger wire colors are subject to change without notice and may vary slightly from colors indicated above.