

# 10.1" AHD Digital LCD 4 Channel Color Monitor RVS-61310Q-AHD



## Instruction Manual

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# INTRODUCTION

Congratulations on purchasing an AHD Digital LCD 4 Channel Color Monitor! With this manual you will be able to properly install and operate the unit. The Monitor should not be used as a substitute for the standard rear view mirror or for any other mirror that exists in your vehicle. In some jurisdictions, it is unlawful for a person to drive a motor vehicle equipped with a TV viewer or screen located in front of the driver's seat or in any location that is visible, directly or indirectly, to the driver while operating the vehicle.

Please read all of the installation instructions carefully before installing the product. Improper installation will void manufacturer's warranty.

## IN THE BOX

1 x Touch Screen Monitor  
1 x 34-button remote controller  
1 x Main harness

1 x Fan Bracket  
1x U-Bracket  
1x Sunshield



# SAFETY INFORMATION

**PLEASE READ THE ENTIRE MANUAL AND FOLLOW THE INSTRUCTIONS AND WARNINGS CAREFULLY. FAILURE TO DO SO CAN CAUSE SERIOUS DAMAGE AND/OR INJURY, INCLUDING LOSS OF LIFE. BE SURE TO OBEY ALL APPLICABLE LOCAL TRAFFIC AND MOTOR VEHICLE REGULATIONS AS IT PERTAINS TO THIS PRODUCT. IMPROPER INSTALLATION WILL VOID MANUFACTURER'S WARRANTY.**

**USAGE :** The Rear View Camera System is designed to help the driver safely detect people and/or objects helping to avoid damage or injury. However, you the driver, must use it properly. Use of this system is not a substitute for safe, proper or legal driving.

- Never back up while looking at the monitor alone. You should always check behind and around the vehicle when backing up, in the same way as you would if the vehicle did not have the Rear View Camera System. If you back up while looking only at the monitor, you may cause damage or injury. Always back up slowly.
- The Rear View Camera System is not intended for use during extensive back-up maneuvers or backing into cross traffic or pedestrian walkways.
- Please, always remember, the area displayed by the Rear View Camera System is limited. It does not display the entire panorama that is behind you.

# PRECAUTIONS

## INSTALLATION

Electric shock or product malfunction may occur if this product is installed incorrectly.

- Use this product within the voltage range specified. Failure to do so can cause electronic shock or product malfunction.
- Take special care when cleaning the monitor.
- Make sure to firmly affix the product before use.
- If smoke or a burning smell is detected, disconnect the system immediately.
- Where the power cable may touch a metal case, cover the cable with a friction tape. A short circuit or disconnected wire may cause a fire.
- While installing the RVS System be careful with the wire positioning in order to avoid wire damage.
- The RVS System should only be used when the vehicle is in reverse.
- Do not watch movies or operate the monitor while driving; as it may cause an accident.
- Do not install the monitor where it may obstruct drivers view or obstruct an air bag device.
- Dropping the unit may cause possible mechanical failure.
- When in reverse, monitor buttons are not functional



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If you have questions about this product,  
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**IN NO EVENT SHALL SELLER OR MANUFACTURER BE  
LIABLE FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES OF  
ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM  
ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.**

# PRECAUTIONS

## Storage and Keeping

1. Do not expose the System to excessive heat or cold. The storage temperature of this device is -30~+80°C, and the operating temperature is -20~+70°C. The humidity is RH90%.
2. Never use this device near a bathtub, wash basin, kitchen, damp basement, swimming pool or similar places.
3. Never use this device in environments with excessive moisture, dust or smoke.
4. Avoid dropping or striking this device.
5. Avoid using this device in enclosed spaces, areas with excessive vibration or subject to severe impacts.
6. Never puncture, scratch or use abrasive cleaning materials on this device.
7. Do not place cables where they may be pinched or stepped on.
8. Leave at least a 2" space between the monitor and walls, cabinets or other objects to allow air circulation around the device.
9. The Monitor is not designed to be waterproof.

## Operating Precautions

1. The device may be powered by a 12 or 24 volt automotive battery or vehicle electrical system.
2. Make sure all cables are connected properly. Observe polarity. Improper cable connections may damage the system. Remove the power cable connections when you do not intend to use the unit.





1. The opening of the case should be by professionals.
2. Do not watch the video while driving unless you are monitoring the rear view camera display.



# MAINTENANCE

1. Remove all the cable connections from the control box before cleaning the device.
2. Use a mild household detergent and clean the unit with a slightly damp, soft cloth.
3. Never use strong solvents such as thinner or benzine, as they might damage the finish of the device.

	Caution	
	Risk of electric shock Do not open	
Caution: to reduce the risk of electric shock, Do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.		



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This symbol is intended to alert the user not to dispose of electrical and electronic equipment.

## CAUTION

Any changes or modifications not expressly approved in this manual could void your warranty and necessitate expensive repairs.



# 1. DECLARATION OF CONFORMITY

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:



- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.



# 2. FEATURES AND SPECIFICATIONS

- 10.1"/7" HD quad-view monitor with LVDS interface, support input up to resolution at 1920 x 1080.
- Support 4 cameras in PAL / NTSC / HDA / HDT / HDC (720p/1080p).
- Image can be set to horizontally flipped, vertically flipped, normal and zoom Image.
- Support multiple image display modes like single, dual, triplex, quad, trefoil, Y-split, and H-split.
- Support 1 x HDMI video input for easy connection to PC or smart electronic devices, etc. (optional)
- Support 1 x VGA video input, and the resolution can be 1080p.
- Support 1 x CVBS video input for DVD.
- Capacitive touchscreen
- Support 5 x triggers, trigger priority & trigger delay are selectable.
- Support auto scan, scan channel and scan time are selectable.
- Support backlight adjustment manually in 3 levels and automatically.
- Parking line
- With 1.5W speaker
- Monitor operated by remote control or touchscreen.
- Support 9 languages OSD (English, German, Japanese, Russian, Chinese, Italian, Spanish, French, Dutch)
- Working voltage: 10-32V, with short circuit protection and short circuit alarm function.
- Compliance with CE/FCC standards

3. ACCESSORIES

	
U-Support Bracket	Center Mount Bracket
	
Sun Shield	Power Cable
	
Angle Adjustment Screws	IR Remote Control
	
Power Cable	

## 4. PARTS IDENTIFICATION



remote control sensor

power switch/  
power indicator

light level sensor

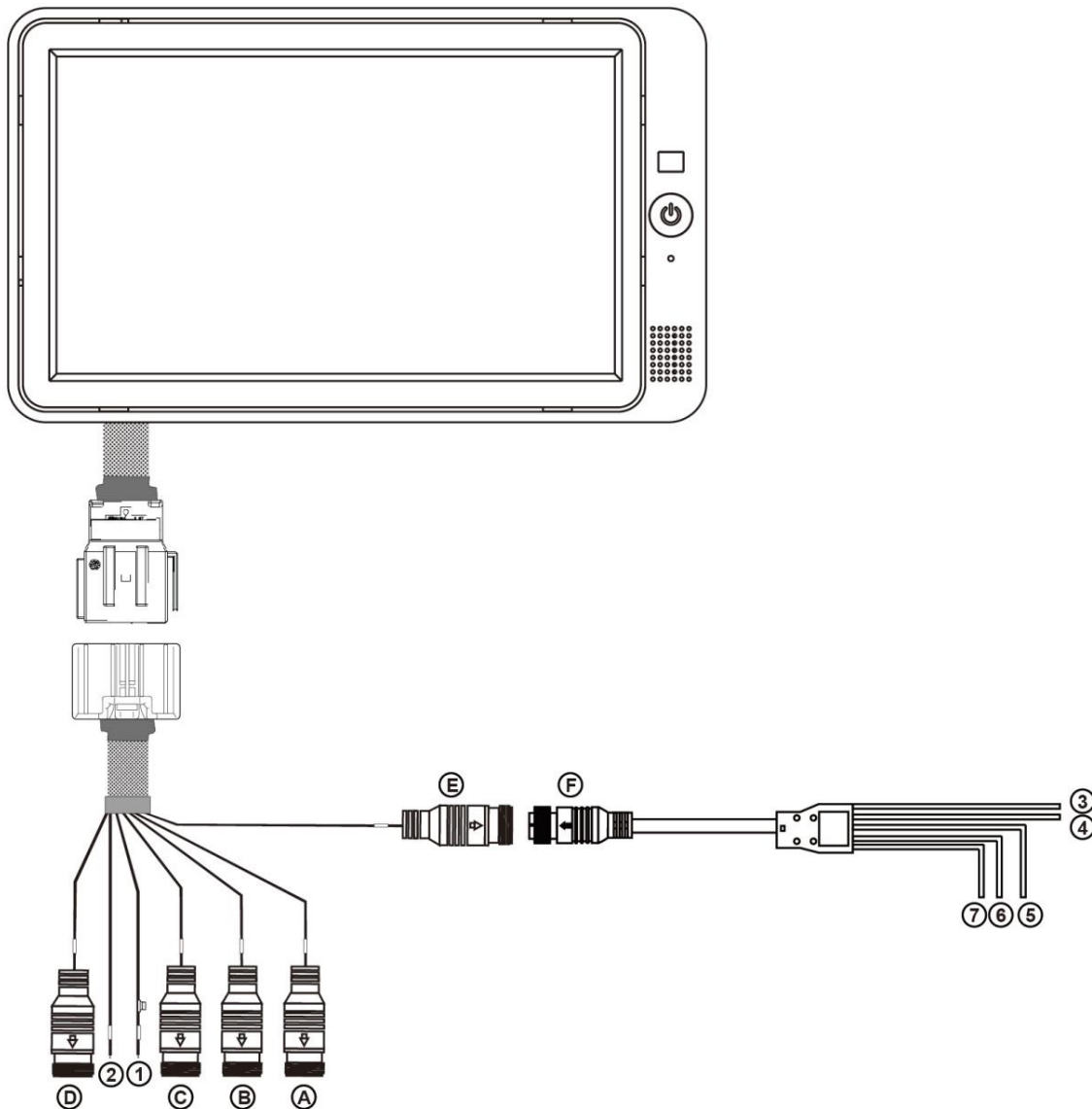
loudspeaker

digital color LCD touch screen



Mounting bracket installation

## 5. CONNECTION DIAGRAM

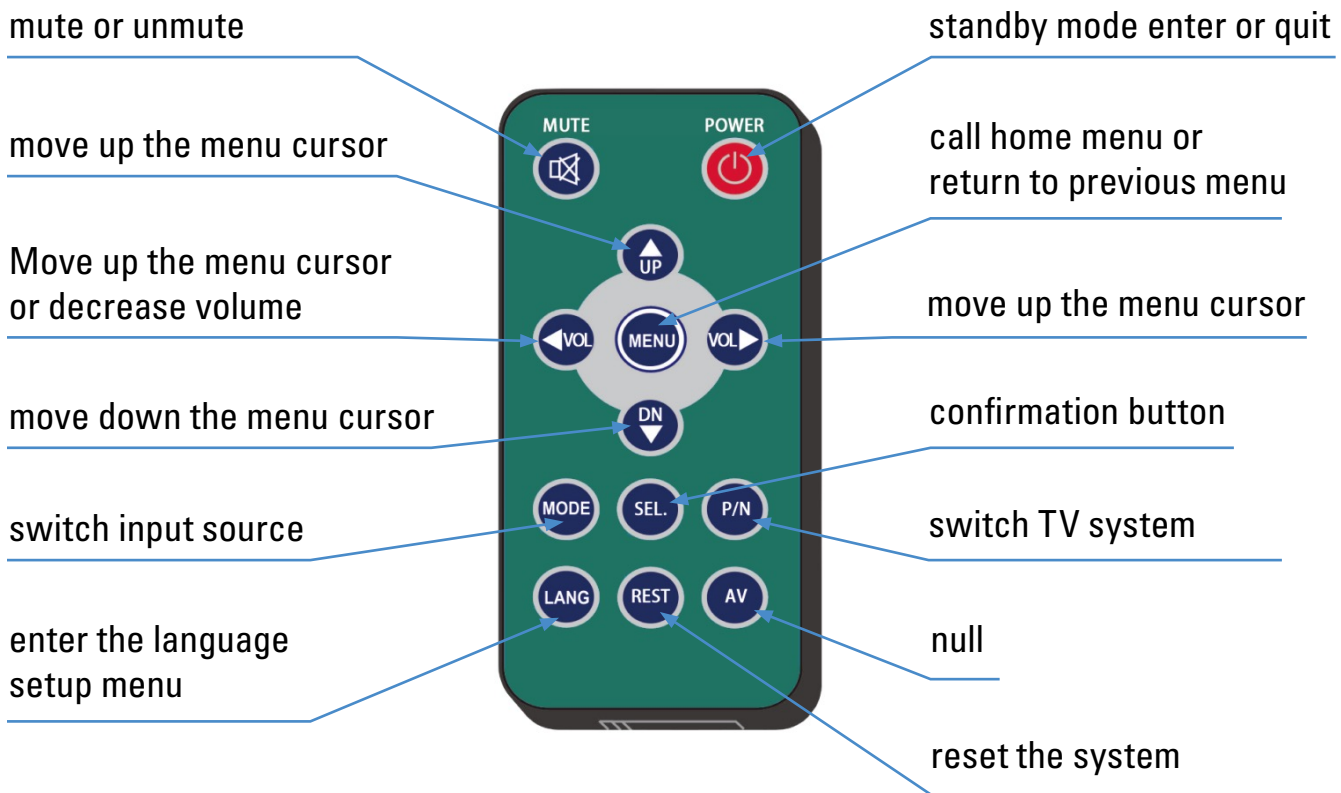


A: Camera1 White 4PIN male  
 B: Camera2 Blue 4PIN male  
 C: Camera3 Green 4PIN male  
 D: Camera4 Brown 4PIN male  
 E: Black 5PIN male  
 F: Black 5PIN Female:

③ / ④ / ⑤ / ⑥ / ⑦

①: Red:  
 ②: Black: GND  
 ③: White: Camera1 trigger  
 ④: Blue: Camera2 trigger  
 ⑤: Green: Camera3 trigger  
 ⑥: Brown: Camera4 trigger  
 ⑦: Yellow: Split trigger

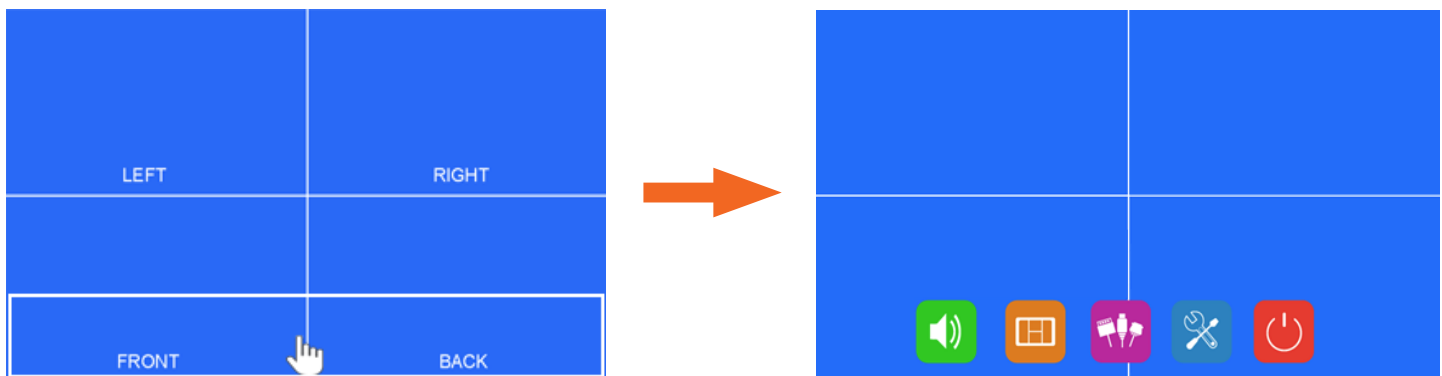
## 6. IR REMOTE CONTROL



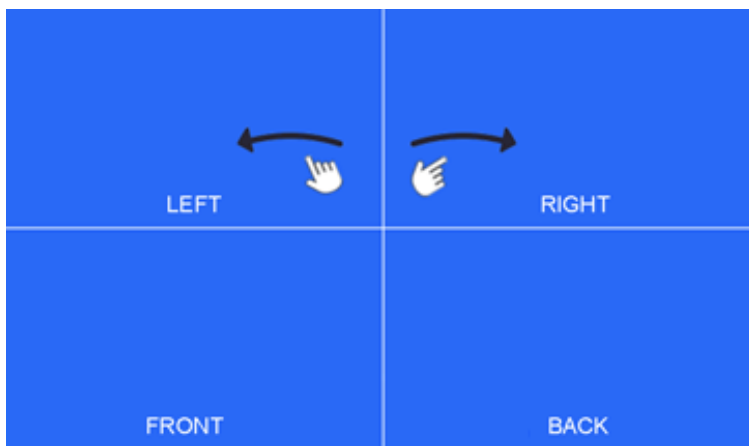
- **MUTE**: Mute or unmute
- **Power**: Turn on or enter standby mode
- **VOL+**: Move up the menu cursor, or increase volume
- **VOL-**: Move up the menu cursor, or decrease volume
- **MENU**: Call home menu or return to previous menu
- **UP**: Move up the menu cursor, or switch screen display mode when there is no pop-up menu and signal source is selected as camera.
- **DOWN**: Move down the menu cursor, or switch screen display mode when there is no pop-up menu and signal source is selected as camera
- **MODE**: Switch input source
- **P/N**: When signal source is selected as camera, switch TV system under screen split mode in the order: NTSC / PAL / 720p60Hz / 720p50Hz / 1080p60Hz / 1080p50Hz
- **LANG**: Enter the Language setup Menu
- **REST**: System reset button
- **AV**: Null

# 7 MENU OPERATION

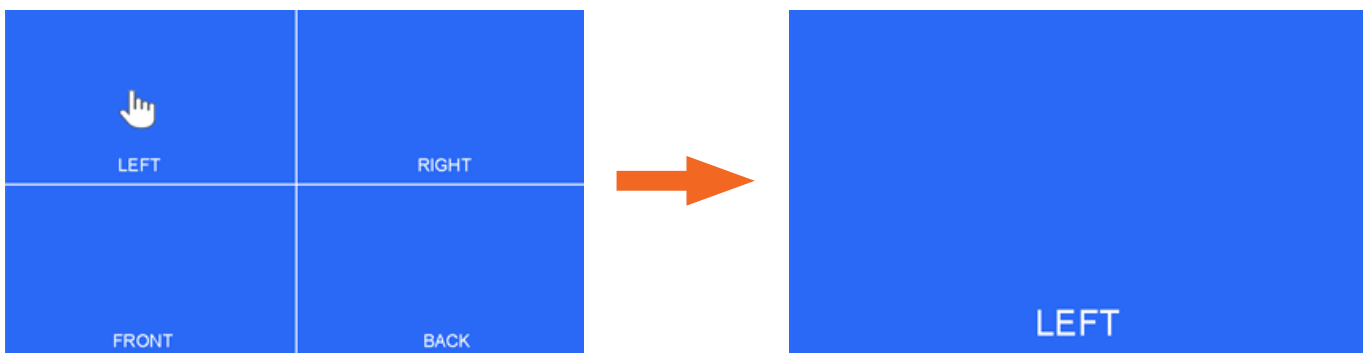
## 7.1 DESKTOP



Touch anywhere in white lined section to call home menu.



- When signal source is selected to be cameras, image display mode can be switched by sliding to left / right on screen in the order: LEFT->RIGHT->FRONT->BACK->DUAL->TRIPLE->TREFOIL->Y-SPLIT->H SPLIT->QUAD->LEFT.
- Sliding to up / down on screen can quit / enter the standby mode conveniently.



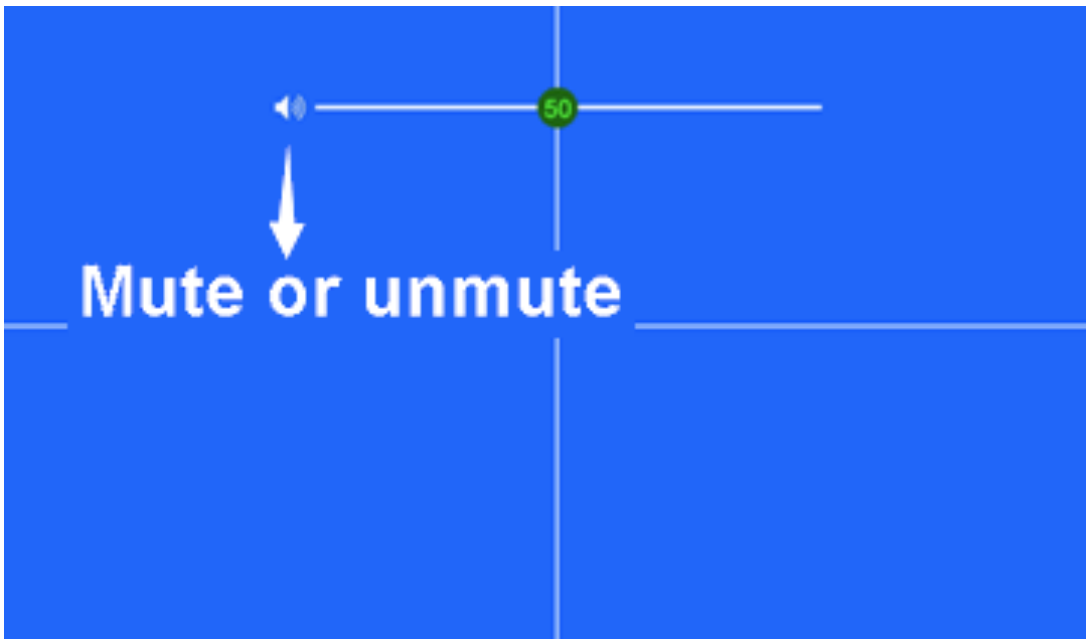
- Touch the camera channel under multi-split screen mode to zoom into a single full screen and touch again to get back to multi-split screen.

## 7.2 HOME MENU



- Touch the icons to enter the menu or touch the area out of the white lined to exit.

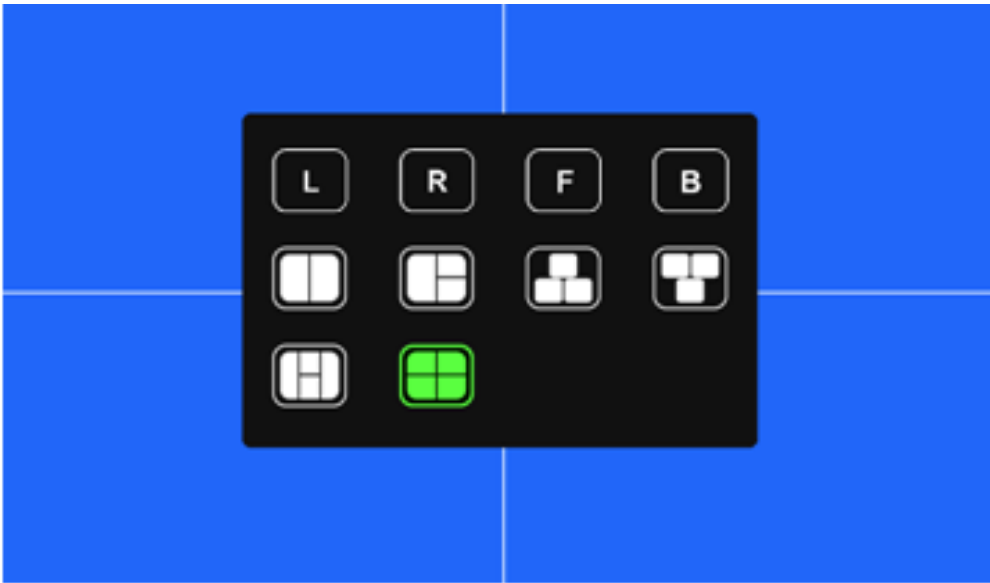
## 7.3 VOLUME



- Drag the slider on volume bar to adjust volume.
- Click speaker icon to set Mute or Unmute.

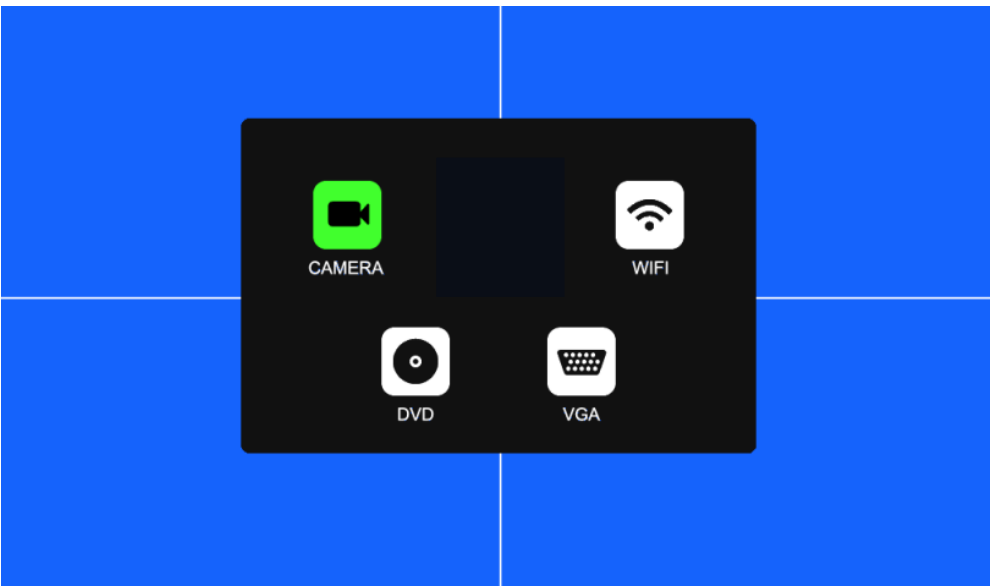


## 7.4 SPLIT SCREEN MODES



Touch the icons to switch the channel.

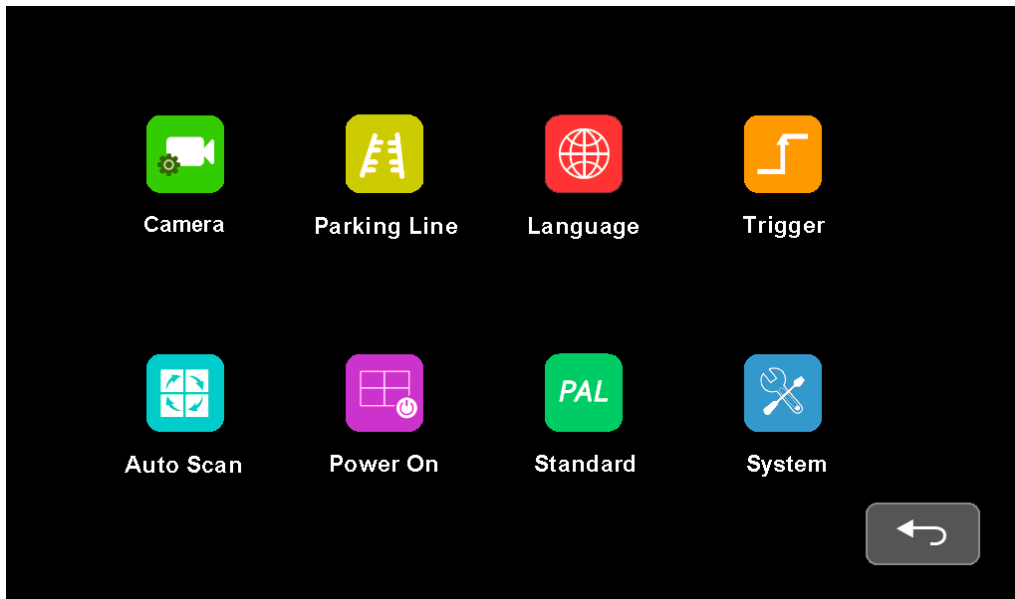
## 7.5 SOURCE



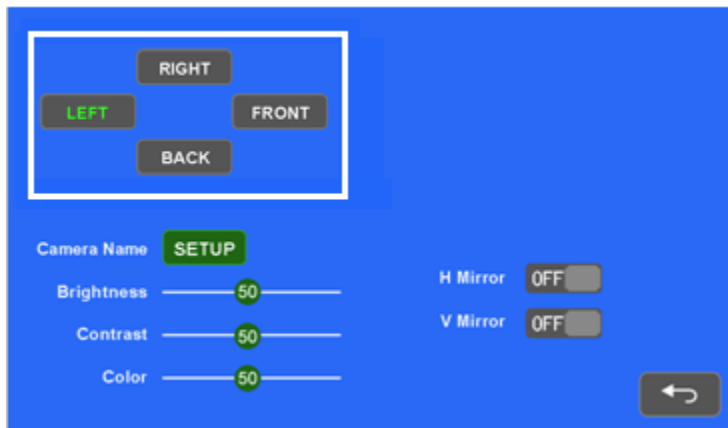
(Optional functionality shown)

- Automatic recognition of signal input.
- Supports video standards: NTSC/PAL,HDA/HDT/HDC1080p/720p.

## 7.6 SETTING

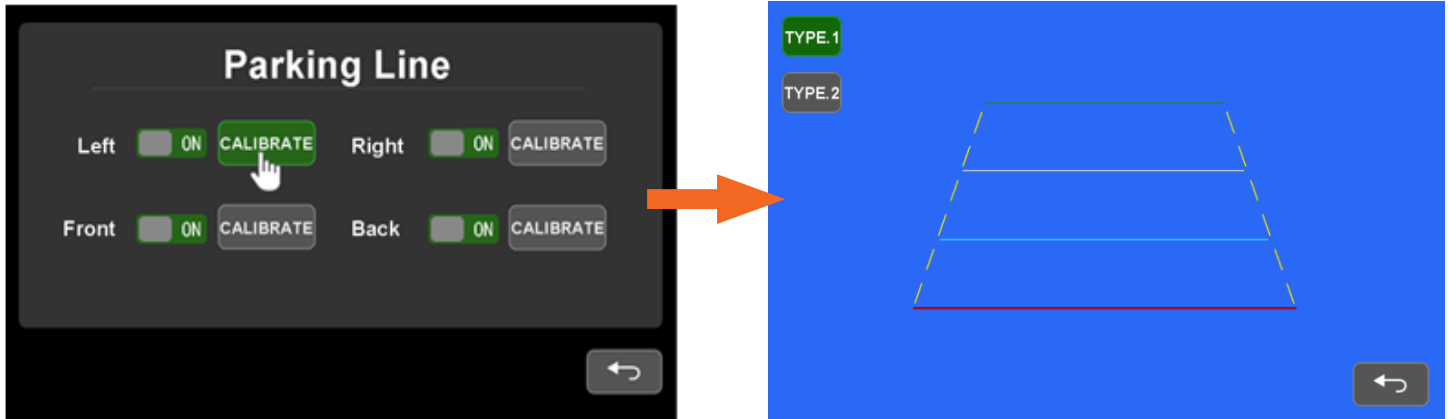


### 7.6.1 CAMERA



Set the camera name with a maximum of 8 characters.

## 7.6.2 PARKING LINE



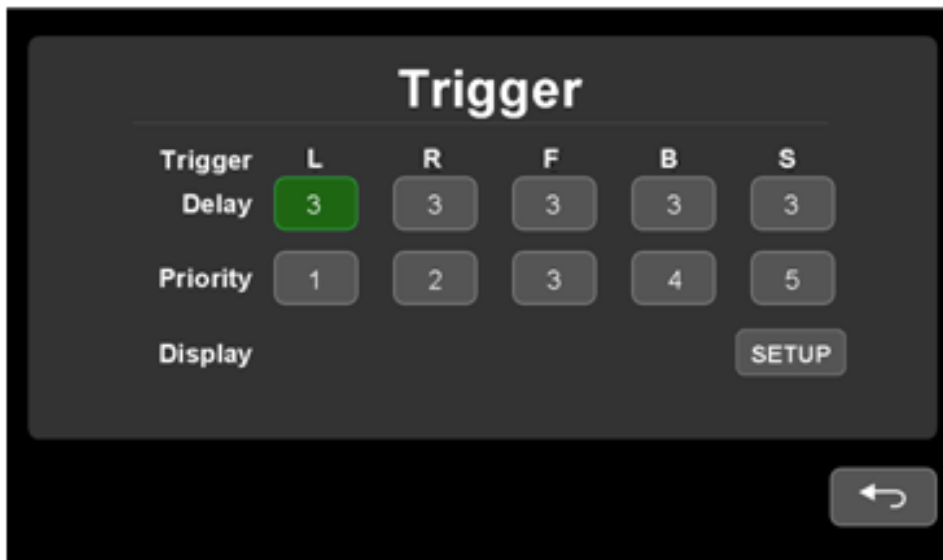
Touch to select Line 1 or Line 2 and drag cursor to adjust.

## 7.6.3 LANGUAGE

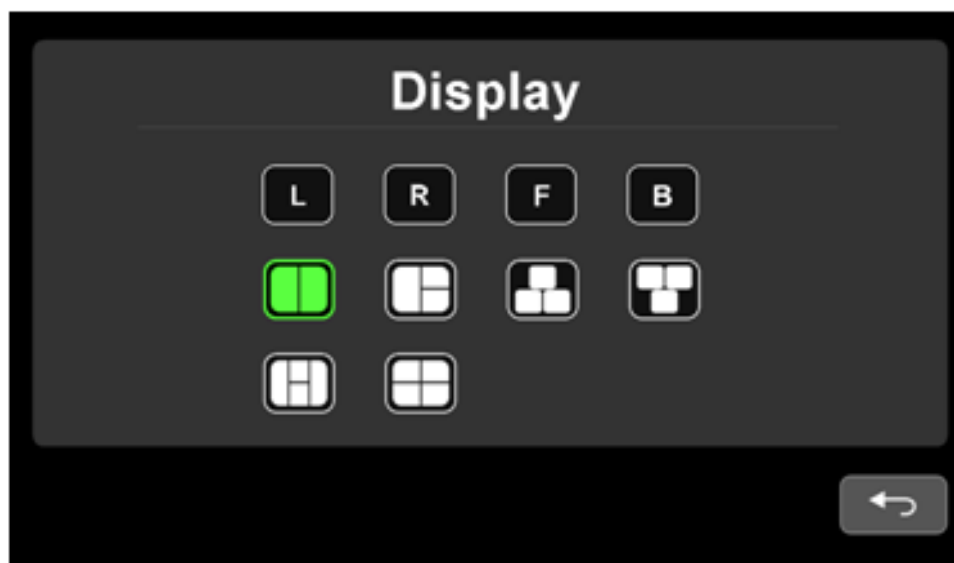


Touch to select language for OSD.

## 7.6.4 TRIGGER

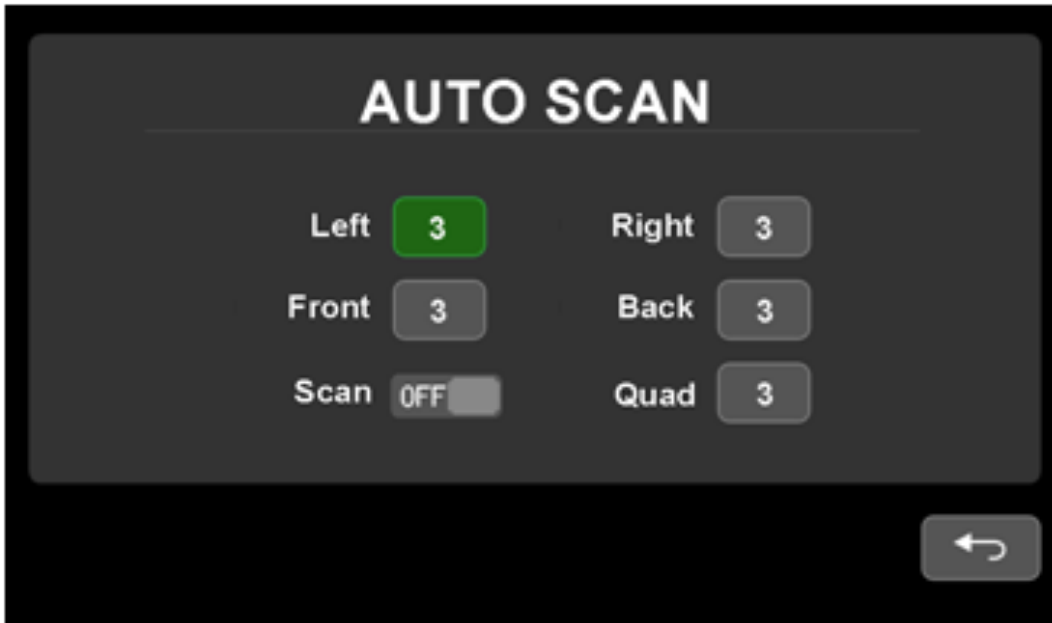


- Trigger delay range: 1~60s.
- Trigger priority: 1~5.
- Trigger function takes priority over Auto Scan function.
- When there is a trigger signal detected, signal source will be automatically switched to the working camera. It will be back to the previous signal source after the trigger ends.
- Support standby trigger.



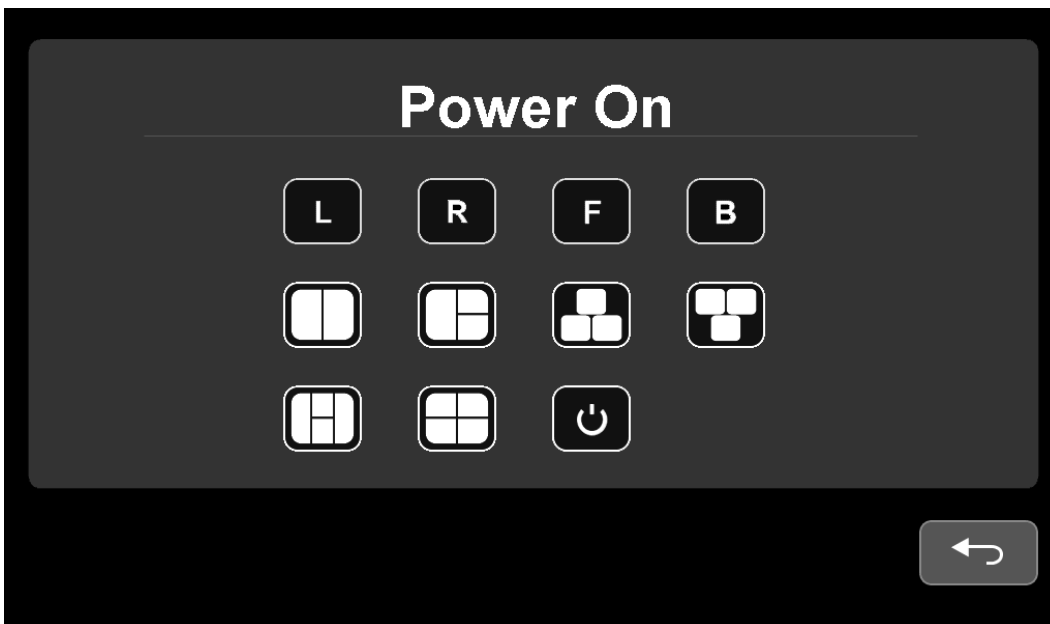
Trigger Display setting only acts on the fifth trigger channel (yellow wire).

## 7.6.5 AUTO SCAN



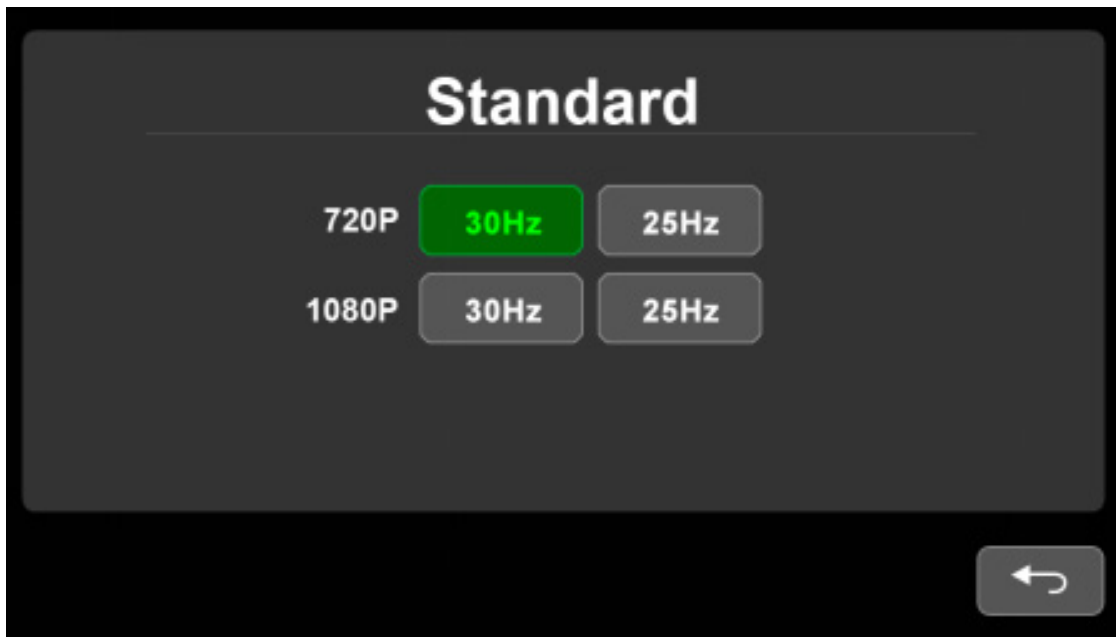
Auto Scan Delay Range: 1~60s.

## 7.6.6 POWER ON



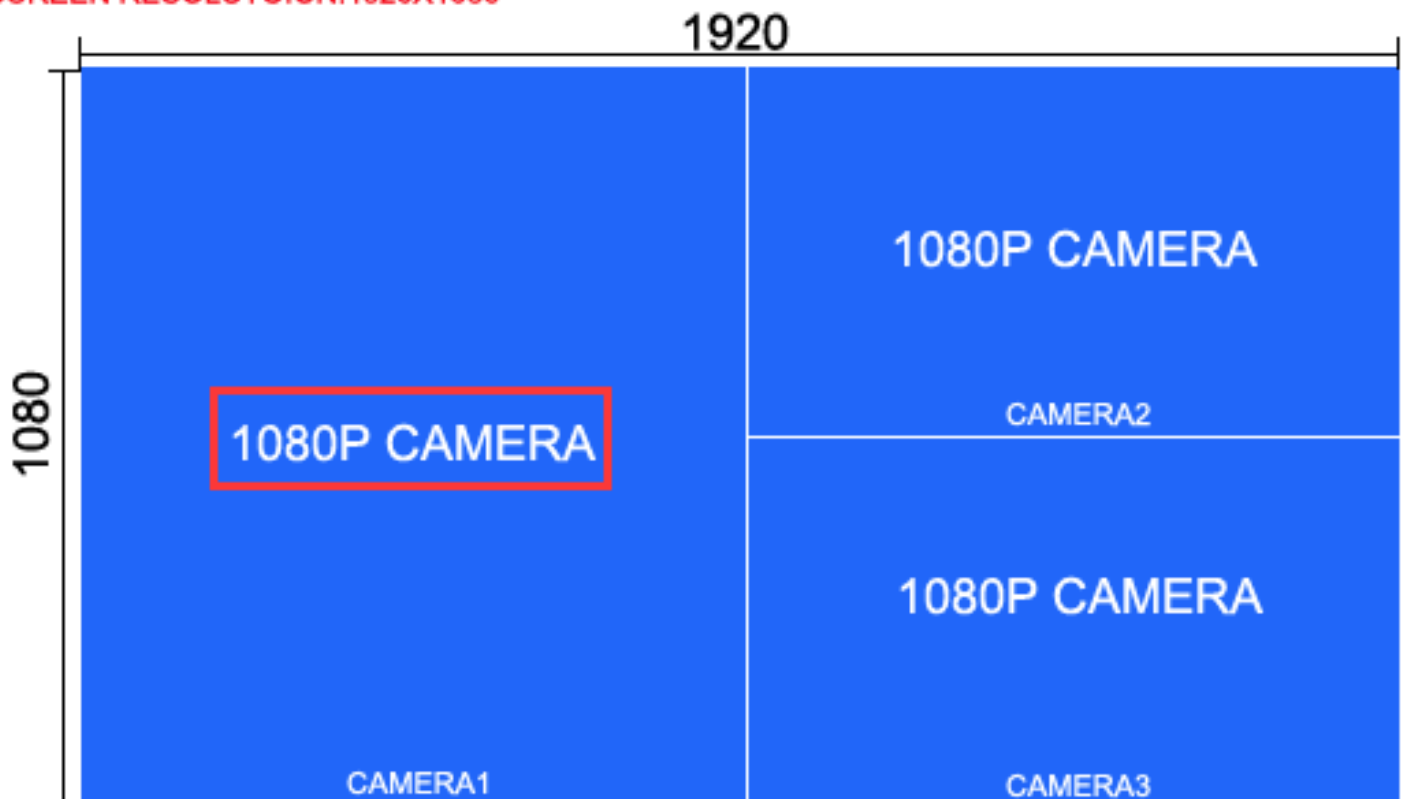
Power On menu option determines what video channels are displayed when the system first powers on.

## 7.6.7 VIDEO STANDARD

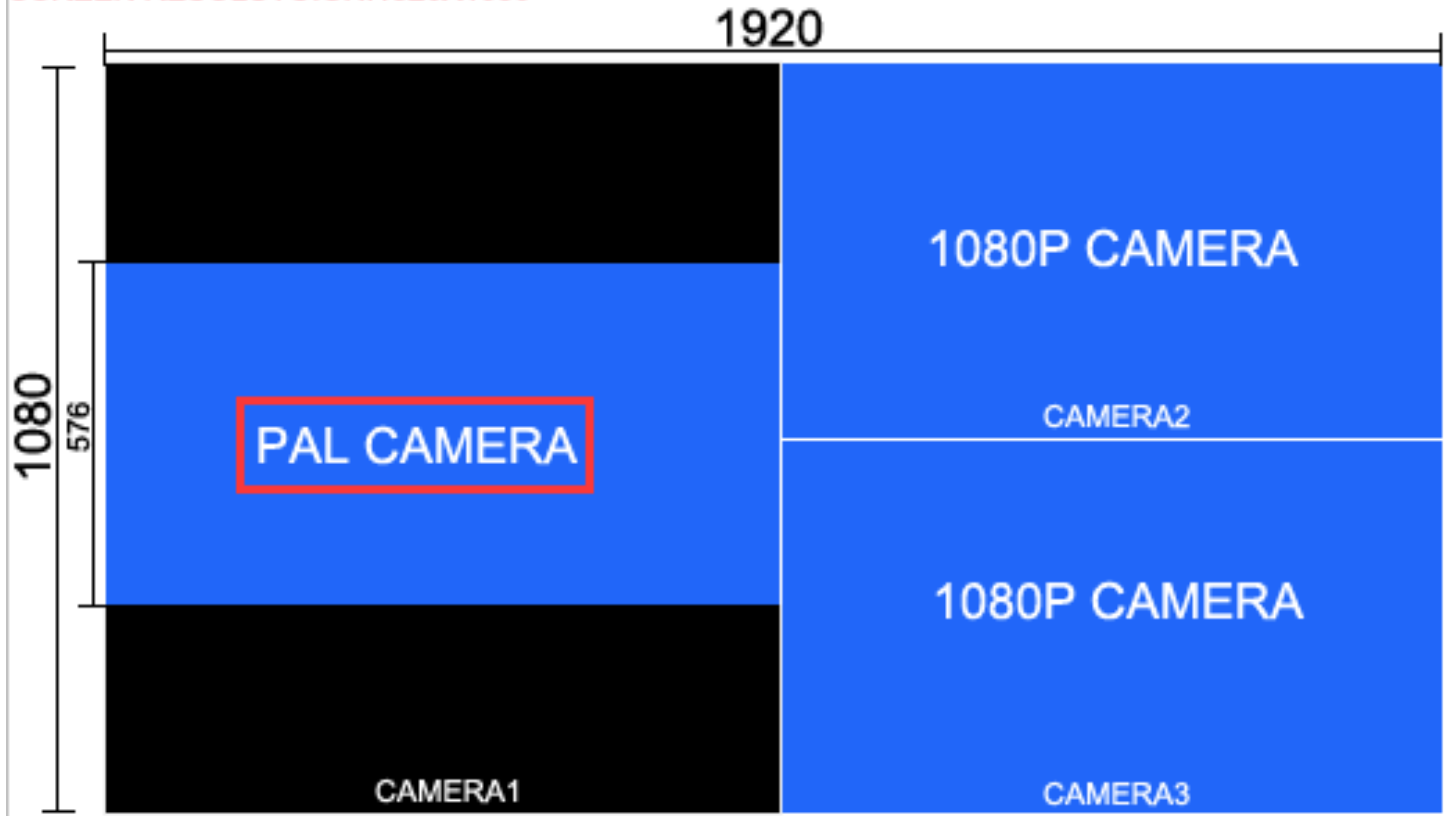


Standard setting interface (TV system setting in split-screen display mode) , as shown in the Pic. above.

**SCREEN RESOLUTION: 1920X1080**



SCREEN RESOLUTION: 1920X1080



Standard setting is only for multi-split screen display modes.

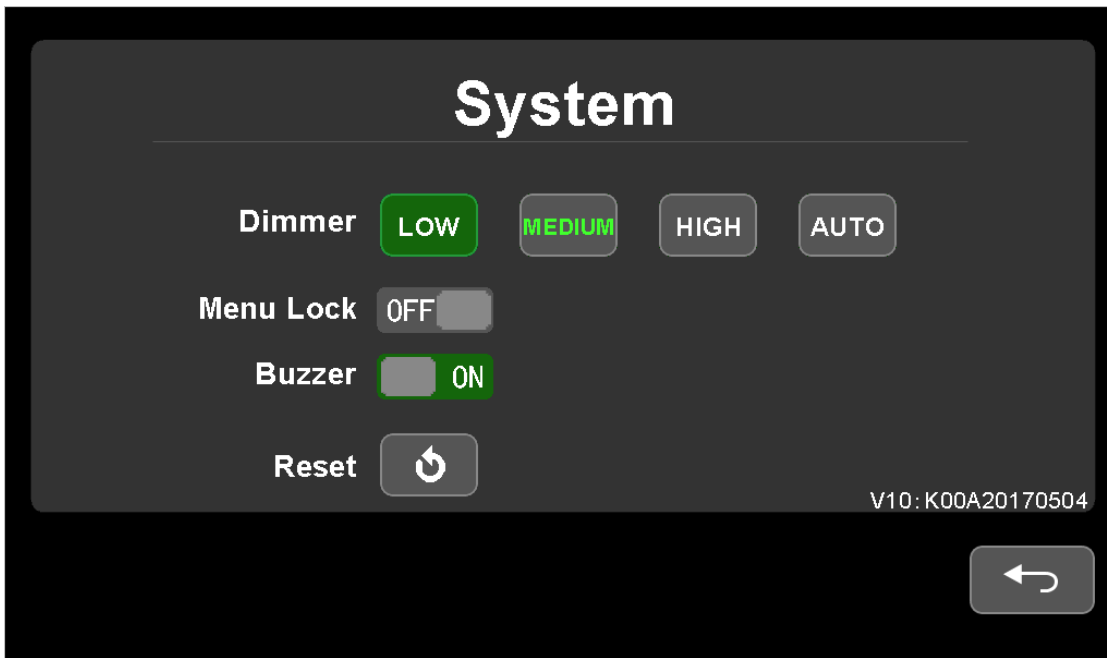
Multi-Split screen display mode supports camera inputs in different resolution, but there are some limitations described as below:

When camera input resolution is lower than the size of its corresponding split screen, it will be centered display in the original scale, conversely, it will zoom out to be split screen in full formats show in the pictures above.

NTSC Camera of standard definition only displays in NTSC / 720p60Hz and 1080i60Hz mode, PAL Camera only displays in PAL / 720p50Hz and 1080i50Hz mode.



## 7.6.8 MENU LOCK



Set Menu Lock ON to disable touch control.

Menu Lock can be enabled / disabled by pressing the physical power button on the monitor for 3 seconds while menu is off.

## ONE YEAR WARRANTY

REAR VIEW SAFETY, INC. WARRANTS THIS PRODUCT AGAINST MATERIAL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF PURCHASE. WE RESERVE THE RIGHT TO REPAIR OR REPLACE ANY SUCH DEFECTIVE UNIT AT OUR SOLE DISCRETION. REAR VIEW SAFETY, INC. IS NOT RESPONSIBLE FOR A DEFECT IN THE SYSTEM AS A RESULT OF MISUSE, IMPROPER INSTALLATION, DAMAGE OR MISHANDLING OF THE ELECTRONIC COMPONENTS. REAR VIEW SAFETY, INC. IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES OF ANY KIND.

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DURING THE ABOVE WARRANTY PERIOD, SHOULD YOUR REAR VIEW SAFETY PRODUCT EXHIBIT A DEFECT IN MATERIAL OR WORKMANSHIP, SUCH DEFECT WILL BE REPAIRED WHEN THE COMPLETE REAR VIEW SAFETY, INC. PRODUCT IS RETURNED, POSTAGE PREPAID AND INSURED, TO REAR VIEW SAFETY, INC. OTHER THAN THE POSTAGE AND INSURANCE REQUIREMENT, NO CHARGE WILL BE MADE FOR REPAIRS COVERED BY THIS WARRANTY.

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