

Operating Instructions



7"/10.1" Digital LCD Color Monitor

Please read this manual before you use the product.

The product may be different from the described in the manual depending on renewal or upgrade of S/W version and performance and it can be altered without notice.

V1.0

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1. Precautions

- Storage and Keeping

1. Do not expose the monitor to excessive heat or cold. The storage temperature of this device is -30~+80℃, and the operating temperature is -20~+70 ℃. Battery operating temperature is 0-70℃.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 adequate 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 monitor. Remove the power cable connections when you do not intend to use the device.
3. The back-up battery can be recharged when the power is on.



Warning!

1. High voltage is present within the monitor. The opening of the case should be by professionals.
2. Do not watch the video while driving unless you are monitoring only.





Special Notice

Occasionally, a few highlights or dark spots may occur on the LCD screen. This is a very common phenomenon in active matrix display technology, and doesn't necessarily indicate any defects or faults.

Never try to repair this device by yourself. In case of any problems, please turn off the display at once and notify our company or authorized dealer. The monitor is a complex device. Any disassembly or modification may lead to damage and void the warrantee.

● Maintenance

1. Remove all the cable connections from the monitor 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 benzene, 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 waste electrical and electronic equipment.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty and necessitate expensive repairs.

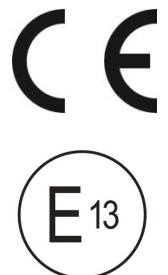
● Declaration of conformity



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

la FCC (Comisión Federal de Comunicaciones). El funcionamiento está sujeto a dos condiciones:

- (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

- 4 Channel 7" /10.1" HD single-view monitor with LVDS interface, support input up to resolution at 1920 *1080.
- Support 4 channel cameras in PAL / NTSC / HD-AHD / HD-TVI / HD-CVI (720P/1080P).
- Support 1080P video output.
- Image can be set to horizontally flipped, vertically flipped, normal and zoom Image; Menu characters remain normal while being set to mirror image.
- Channels can be named.
- Support 1 x HDMI video input, easy connection to PC or smart electronic devices etc.(optional)
- Capacitive touch-screen.
- Support 4 x triggers, trigger priority & trigger delay selectable.
- Support auto scan, scan channel and time selectable.
- Support Automatic Backlight Control and manual selection in 3 levels.
- Parking line display.
- With 1.5W speaker.
- Menu operation by buttons control, remote control or touch screen control.
- 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/EMARK tests.



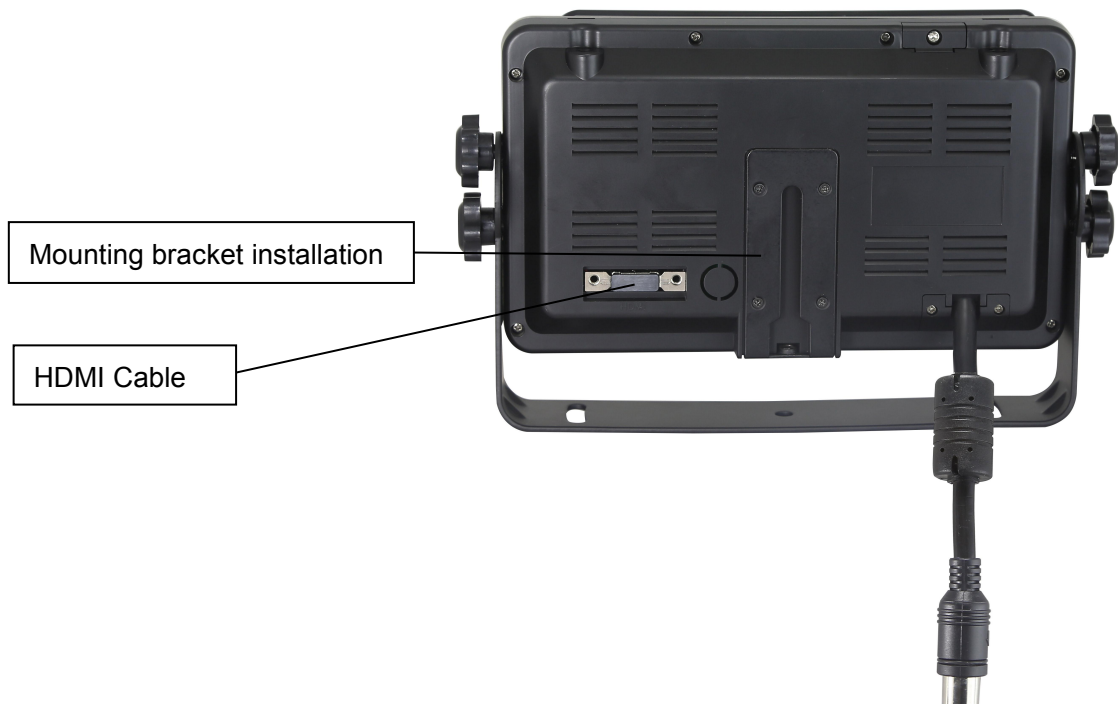
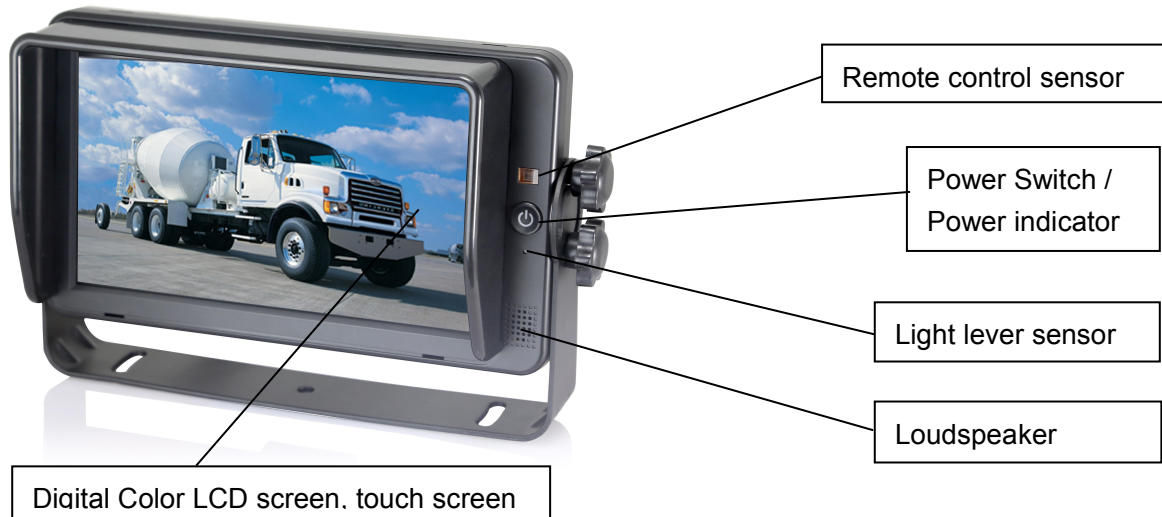
Special Notice

Accessory supply may be different for different application.

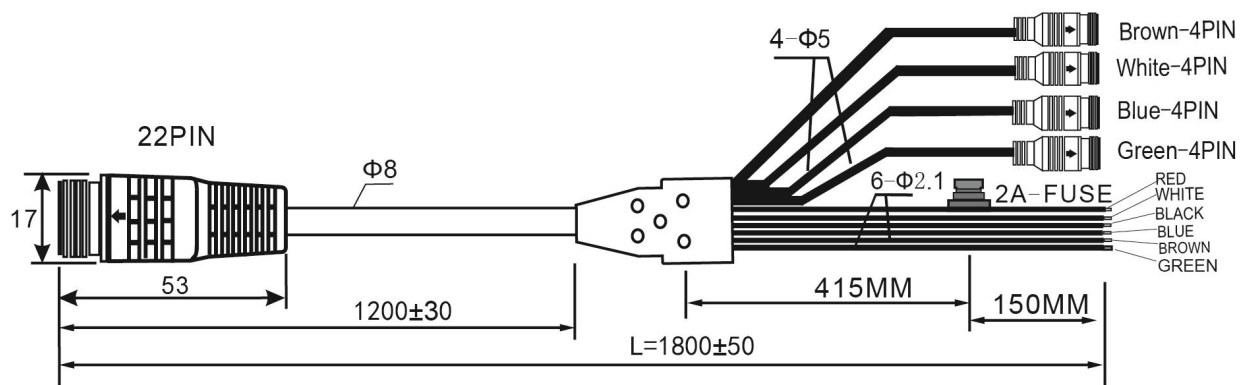
3. Accessories

| | |
|---|--|
|  <p>U- Support Bracket</p> |  <p>Center Mount Bracket</p> |
|  <p>Sun Shield</p> |  <p>Power cable</p> |
|  <p>Angle Adjustment screws</p> |  <p>IR Remote control</p> |

4. Parts Identification



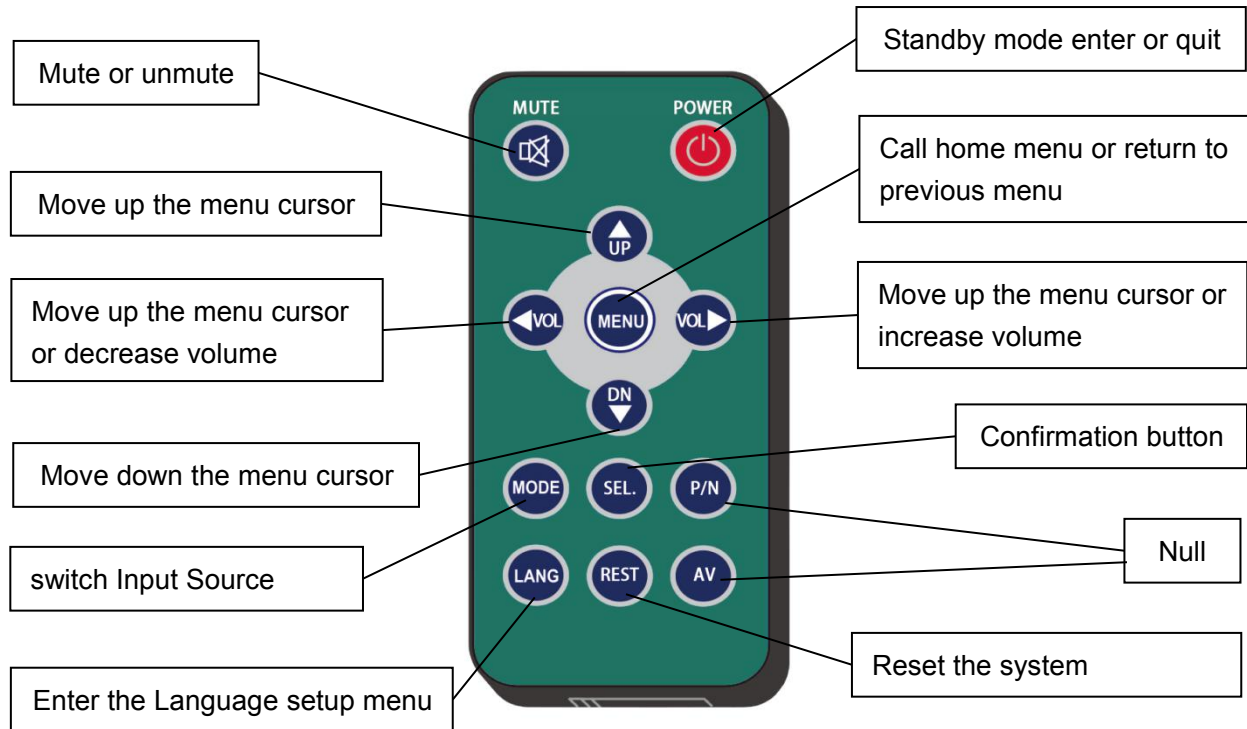
5.Connections



| Wire definition | Description |
|-------------------|---|
| White 4 pin male | Channel Left Input |
| Blue 4 pin male | Channel Right Input |
| Green 4 pin male | Channel Front Input |
| Brown 4 pin male | Channel Back Input |
| Single Red wire | To positive power supply for DC: 10~32V |
| Single Black wire | To GND |
| Single White wire | To positive power wire of Left |
| Single Blue wire | To positive power wire of Right |
| Single Green wire | To positive power wire of Front |
| Single Brown wire | To positive power wire of Back |

6. Menu Operation and Functional Specification

6.1 IR Remote Control

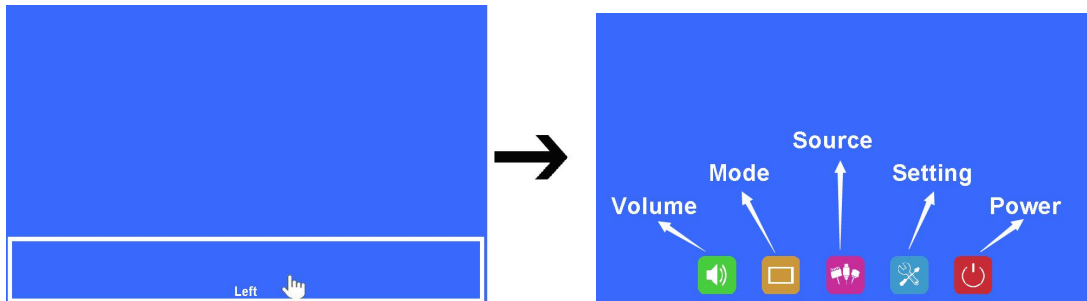


Pic 6.1

- MUTE: Mute orunmute
- 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 isno 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 between CAMERA and HDMI
- SEL: Confirmation button
- P/N: Null
- LANG: Enter the Language setup Menu
- REST: System reset button
- AV: Null

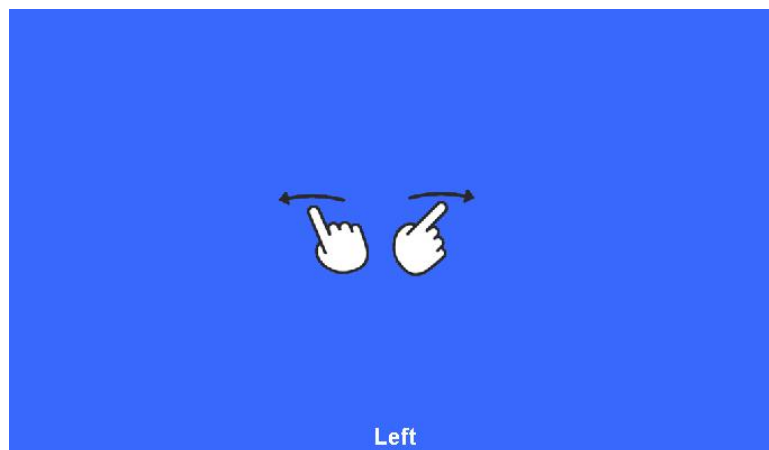
6.2 Menu Operation

6.2.1 Desktop



Pic. 6.2.1-1

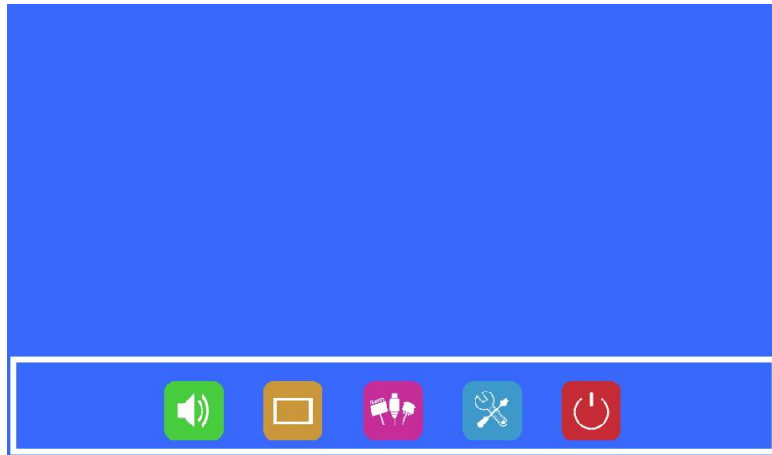
- Touch anywhere in White lined section to call home menu.



Pic. 6.2.1-2

- 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 > Left. To turn on or off the screen can be switched by sliding to up/down onscreen.

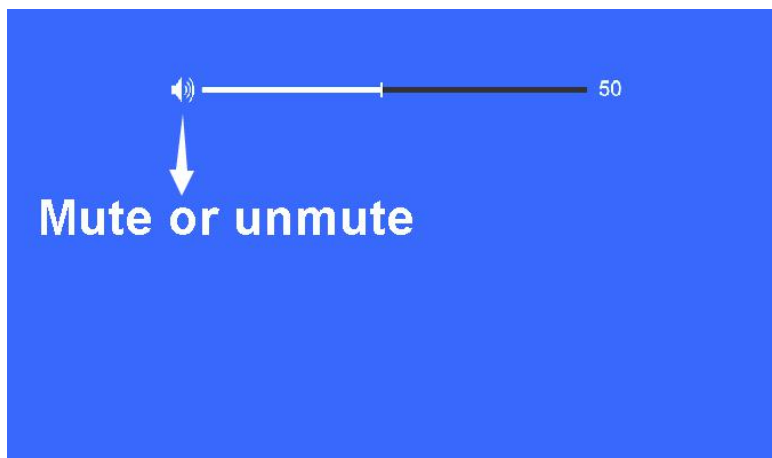
6.2.2 Home Menu



Pic.6.2.2

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

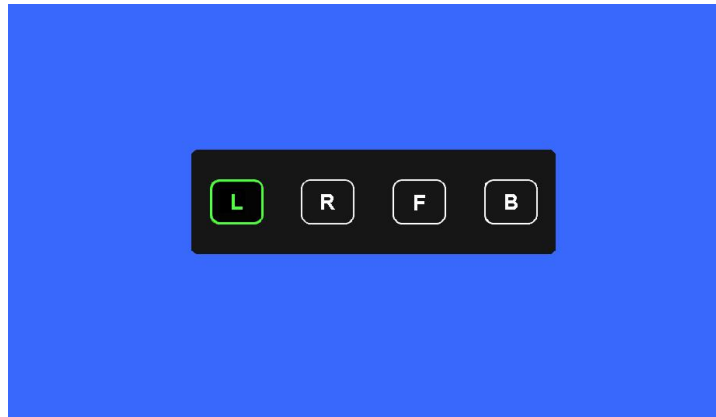
6.2.3 Volume



Pic.6.2.3

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

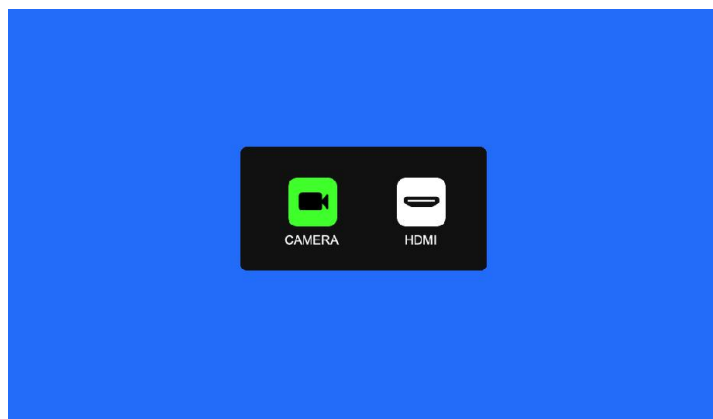
6.2.4 Mode



Pic.6.2.4

- Click icon to switch the channel (LEFT / RIGHT / FRONT / BACK).

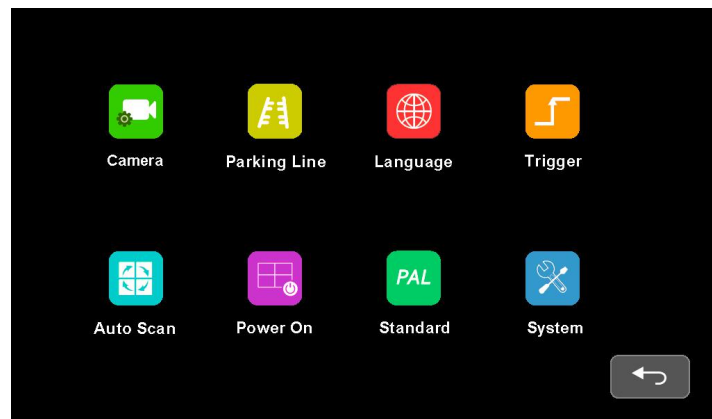
6.2.5 Source



Pic.6.2.5

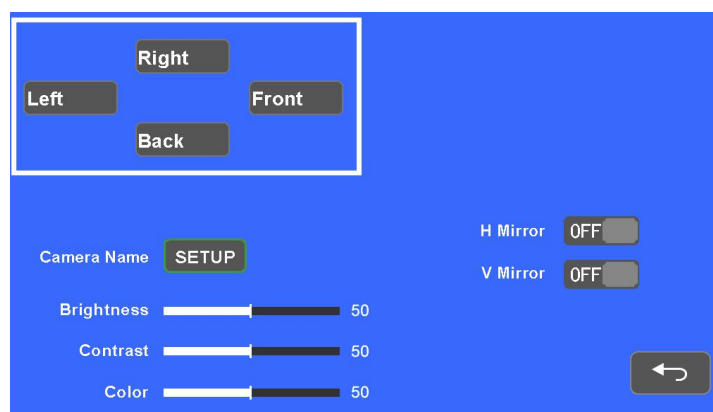
- Automatic recognition of signal input.
- Supports video standards: NTSC/PAL, AHD/HDT/HDC1080P/720P.
- Support multiple HDMI input resolutions: 1920x1080, 1600x900, 1440x900, 1366x768, 1280x1024, 1280x720, 1024x768, 800x600, 720x576, 720x480, 640x480.

6.2.6 Setting

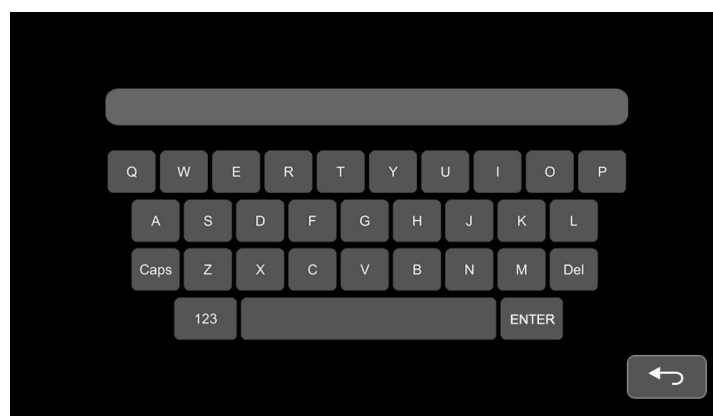


Pic.6.2.6

6.2.6.1 Camera Settings



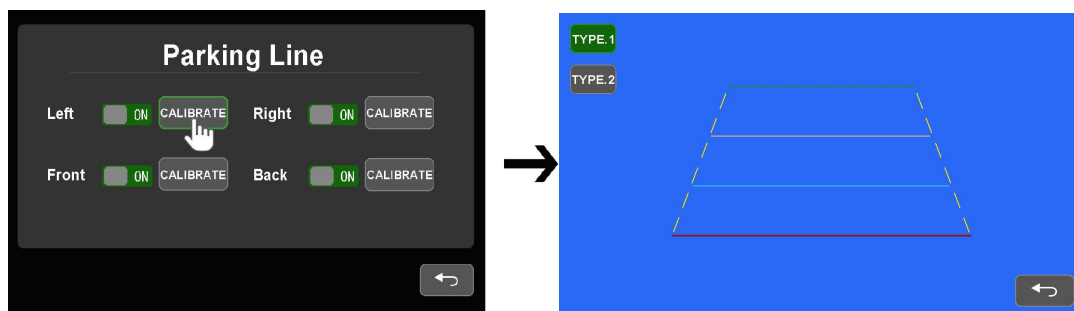
Pic.6.2.6.1-1



Pic.6.2.6.1-2

- Set Camera name with in 8 digits (max).

6.2.6.2 Parking Line



Pic.6.2.6.2

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

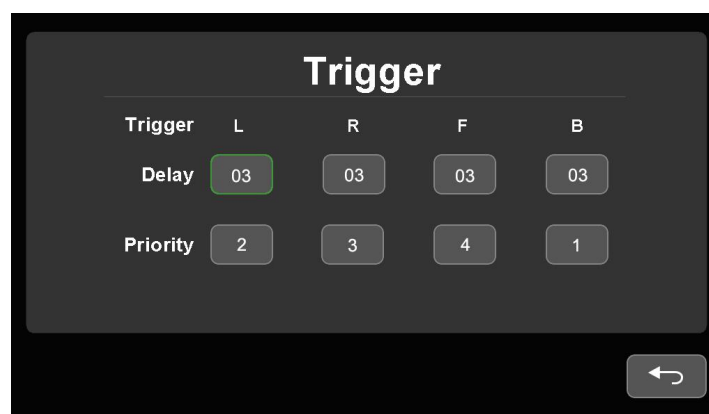
6.2.6.3 Language



Pic.6.2.6.3

- Touch to select language for OSD.

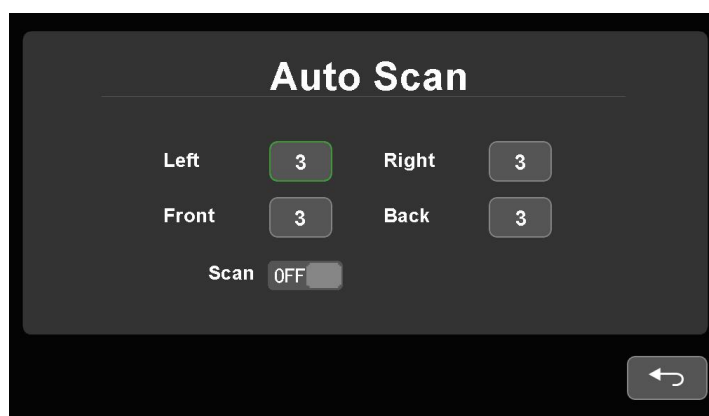
6.2.6.4 Trigger



Pic.6.2.6.4

- Trigger delay range: 1~60s.
- Trigger priority: 1~4.
- Trigger function takes priority over Auto Scan function.
- When there is trigger, signal source will be automatically switched to the working Camera for display and come back to the previous displaying channel after the trigger ends.
- Support trigger priority.

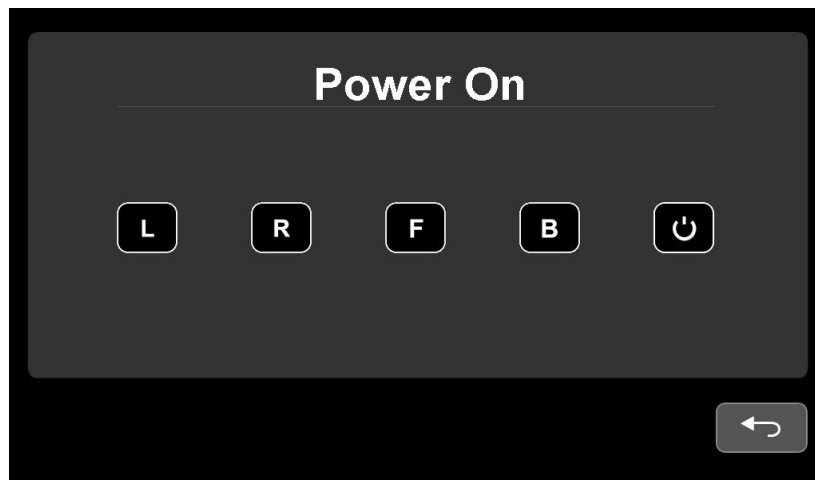
6.2.6.5 Auto Scan



Pic.6.2.6.5

- Auto Scan Delay Range:1~60s.

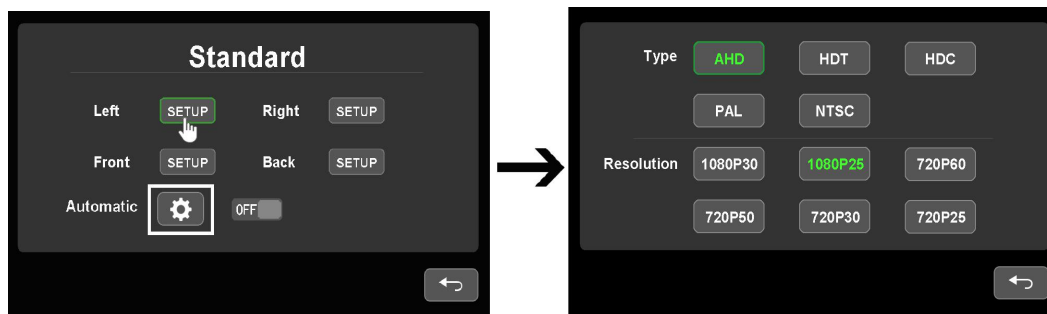
6.2.6.6 Power On



Pic.6.2.6.6


- Power On Display setting only displays under camera signal source except the last selection (Boot into standby mode).

6.2.6.7 Standard

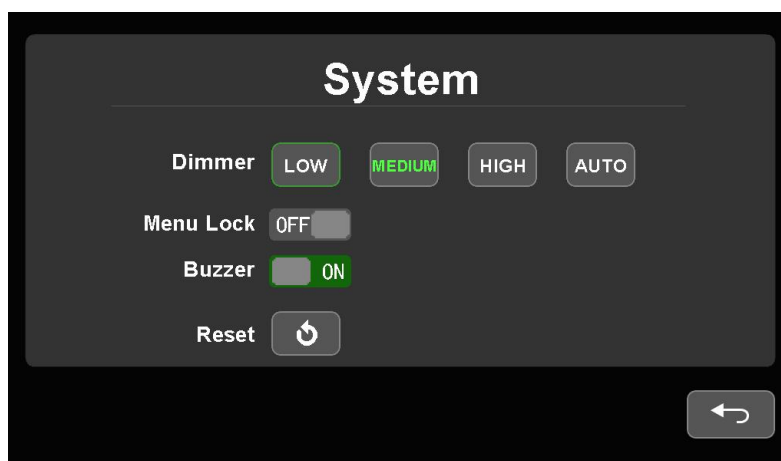


Pic.6.2.6.7

The monitor will detect the standard automatically when set Automatic ON.

Note: For quick display, please set Automatic OFF and use manual selection per your specific needs. E.g.: If you use an AHD camera at 1080P/25fps, select as above. Or press  to setup formats of all channels automatically.

6.2.6.8 System



Pic.6.2.6.8

- 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.
- System will reboot in the shutdown mode by pressing the physical power button on the monitor for 3 seconds.