



AV MOUNTING SOLUTIONS

## **WR-15CL**

**Flipped-up LCD  
monitor lift**

**User manual**



**Screen size : 15.6 inch**

**Signal input : HDMI, VGA**

**Tilt angle : 0-80 degrees, adjustable**

**Touch function: optional**

## 1.List .Shape and Panel Key Description

### 1.1 Packing list

| No.: | Items            | 备注说明 |
|------|------------------|------|
| 1    | LCD monitor lift | 1pc  |
| 2    | Power cable      | 1pc  |
| 3    | VGA cable        | 1pc  |
| 4    | User manual      | 1pc  |

### 1.2 Panel key Functions

| No.: | English | Signal  |
|------|---------|---|
| 1    | STOP    |  |
| 2    | UP      |  |
| 3    | DOWN    |  |
| 4    | PC SW   |  |
| 5    | SA SW   |  |

### 1.3 Interface board Function (from left to right)



1.3.1 HDMI Video signal input. .

1.3.2 DVI Video signal input.

1.3.3 VGA Video signal input.

1.3.4 Audio signal input(3.5mm stereo).

1.3.5 Audio signal output(3.5mm stereo).

1.3.6 USB input, up for USB put, down for the touch screen control card interface.

1.3.7 RS485 control input(1,2,5)

1.3.8 RS485 control input ( for cluster control)

1.3.9 ANT, Remote control receiver antenna (315MHz).

1.3.10 Standby button interface: PC SW computer start button. SA SW signal switching key.

1.3.5 AC220V Power input socket .

### 1.4 Control Introduction:

1.4.1 RS485 Software Control: 9 holes interface with the computer serial port. 232/485 intermediate bridge converter



1.4.2 Remote control: (Will be give with goods when customer requested)



1.4.3 Control Button: ( Please see Panel Key function, Red means



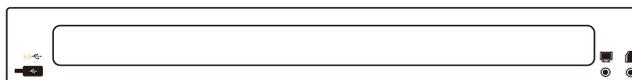
light power indicator)

1.4.4 Screen button function: ( Pls see the 7 point, screen menu to adjust the guide )



“Menu” menu button , “Auto”Automatic adjustment button , “▲”Variable increment key , “▼”Variable reduced key , “🔌”Screen Power Switch button . “LED”Power indicator ( Red means no have signal,Green means have signal)

1.4.5 Sub-panel key function:



🖥️ PC SW, 📱 SA SW Standby key for using, USB Standby connector , it can be straightly link to the connectors on the connect plate.

## 2. Structure Features and Main Technical Indicator

### 2.1 Structure Features

The part of screen Lift is adopt bilateral synchronous belt wheel with linear optical axis transmission and low noise and stable structure. Screen frame is pure aluminum with tempered glass and nice outlooking .

### 2.2 Main Technical Indicator:

#### 2.2.1. The Lift Technical Data

| <b>Nn.</b> | <b>Item</b>         | <b>Data</b>  |
|------------|---------------------|--------------|
| 1          | Working Voltage     | AC 220V 50Hz |
| 2          | Consumed power      | <60W         |
| 3          | single-working time | 18S          |
| 4          | Elevation angle     | ≤80          |
| 5          | Product weight      | 10Kg         |

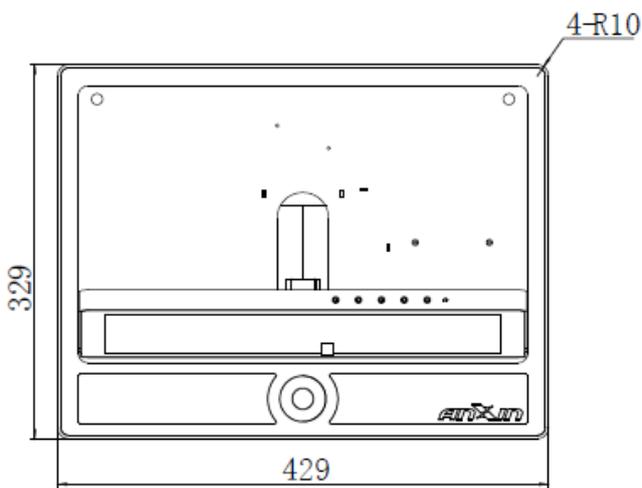
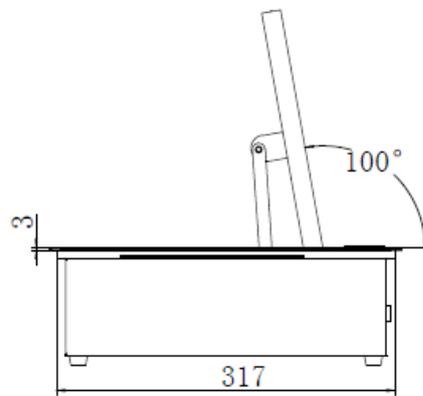
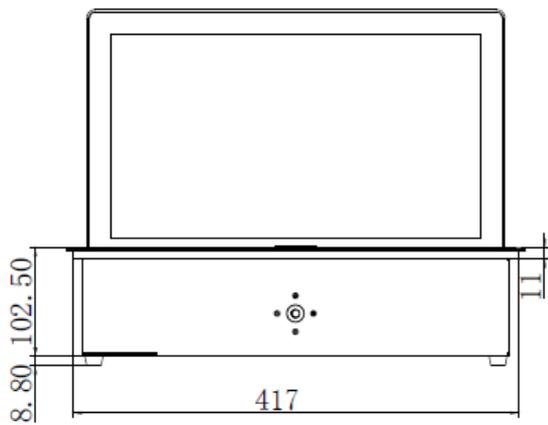
#### 2.2.2

| <b>No.</b> | <b>Item</b>  | <b>Data</b> |
|------------|--------------|-------------|
| 1          | Signal Type  | LVDS        |
| 2          | Display Size | 15.6        |
| 3          | Resolution   | 1920*1080   |
| 4          | Aspect Ratio | 16:9        |
| 5          | Contrast     | 650:1       |
| 6          | Brightness   | 300         |

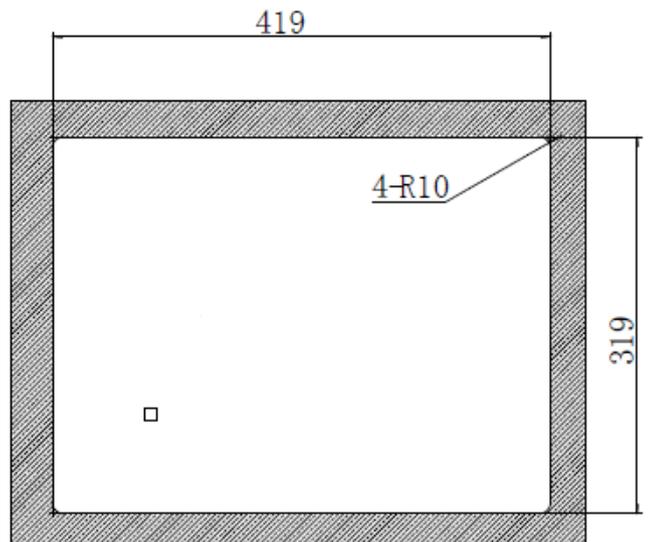
|   |                   |              |
|---|-------------------|--------------|
| 7 | Viewing angle     | 70/70/60/60  |
| 8 | Video signal mode | VGA/DVI/HDMI |

### 3. Structure dimensions and install instructions:

#### 3.1 Structure dimensions:



#### 3.2 Cutting out size:



### 3.4 Install instructions:

3.4.1 Before setup, please remove two "fixing screws" on the cover and clean the foam filler inside of the clamshell .

3.4.2 Embedded the lift case inside the cutting in the table ,make the panel level with the table top.

3.4.3 Connect the Video Signal Cable (VGA or HDMI or DVI).

3.4.4 Connect the touch USB Cable(not need to connect the touch USB cable if without touch function).

3.4.5 If need Central-controlled system, please connect the RS485 with the control cable.

3.4.6 Connect the antenna base with the antenna .

3.4.7 Link to AC220V power supply, The panel indicator light is on, then press UP key to complete the automatic elevation, the screen lights up, and the red indicator means no signal, the green indicator means signaled.

## 4. Technical data:

### 4.1 HEX system controlling code

|          |                            |
|----------|----------------------------|
| All up   | FF AC E1 FF 00 00 DD 01 DC |
| All Stop | FF AC E1 FF 00 00 CD 01 CC |
| All down | FF AC E1 FF 00 00 ED 01 EC |

### 4.2 Computer software control

4.2.1 Download the control software "Multi functional lifting equipment Control Center" from the company's official website. .

4.2.2 Prepare a RS232-485 or USB-RS485 protocol converter.

4.2.3 Using Windows XP systems to install the software.

4.2.4 Make sure the LIFT equipment finishe the connecting .

4.2.5 Operating according to the assist files of the software.

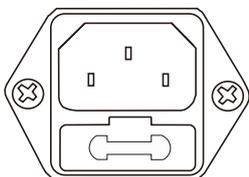
## 5. Solutions for the monitor common problems:

| No.: | Common problems                    | Analysis reason   |
|------|------------------------------------|---|
| 5.1  | The screen is light but No Display | <ul style="list-style-type: none"><li>·please check the Power switch if it is turned off?</li><li>·The Signal is interrupted?</li></ul>   |
| 5.2  | The word is blurred                | <ul style="list-style-type: none"><li>·Please check if it matches the resolution of the computer?</li><li>·Please check the contrast and brightness adjustments if they are correct?</li></ul>  |
| 5.3  | The Screen is black.               | <ul style="list-style-type: none"><li>·Automatical black because of no signal ?</li><li>·Brightness adjustment is too lowest ?</li><li>·If press "Auto" key a long time ,it would be shutdown, and the LED indicator turns red.</li></ul> |

## 6. Solutions for the lift common problems:

6.1 All the lift is no power,the indictor light does not work:

Open the Insurance cover of power to check if the fuse is damage? If yes, please change a new 3.15A fuse.

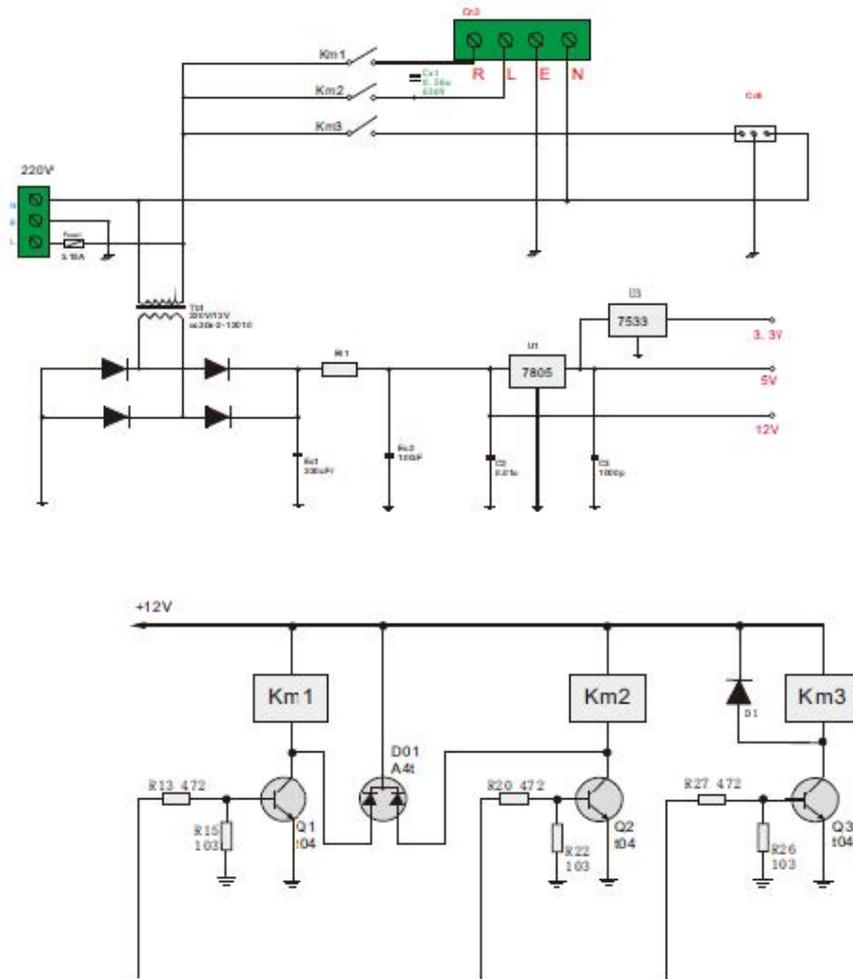


## 6.2 Solutions for the main board common problems:



- 6.1.1 Please check if the lock screws of the AC IN (3P terminal) power input cable is loose? If yes, please refixed them .
- 6.1.2 If 5P cable of the Key board does not connect well , it would cause the indocator light and the buttons out of working, It seems like no power. Please connect it again.
- 6.1.3 The checking solutions mentioned above, you can process it without the case open ,but it must check by a multimeter if there are around 3.4K resistance value at L and N terminals of the power input socket. If yes, then the AC current loop is normal (including transformers, fuses).
- 6.1.4 If the main board don't show 12V ,it means it is abnormal, please check if RL1 is damage.
- 6.1.5 If the main board don't show 5V ,it means it is abnormal, please check if L7805 is damage.
- 6.1.6 If the main board don't show 3.3V ,it means it is abnormal, please check if 7533 is damage.
- 6.1.7 Up -limited switch is the pulse level control, after the pulse finished, it still keeps in stop. But the display power is required to maintain the shading by the photoelectric control.
- 6.1.8 Down- limited switch is the low pause control, it will continue to decline under the high ,so when the decline is finished, the photoelectric control should be under the light-shading state.

### 6.3 Circuit schematic diagram :



## 7. Screen menu (the guide of adjustment)

### 7.1 Color adjust:



Press “Menu” Button into the display adjustment, and Press “Menu” button to make the cursor moving to the “brightness”. Then Press “▼” button, the cursor moves to the “contrast”. If it needs to be back, please press “Auto” button. Pressing “Menu” button, it will display the brightness value:  50%, and then press button “▲” or “▼” to change the brightness value.

### 7.2 Image adjust:



First pressing “Menu” button, and press “▲” button to the image adjustment, and then press “Menu” again, the cursor can move to the automatic adjustment image. If it wants to go back, please press “Auto” button.

### 7.3 Color setting:



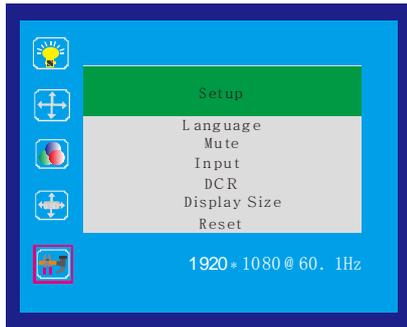
Press "Menu" button , and then press " " twice to "color" . Press "Menu" button moving cursor to color temperature . Press "Auto" for back . Press "Menu" button , you can choose 5000K / 6500K/7500K/8200K/9300K .

### 7.4 Menu adjust:



To press "Menu" button, and press "▲" button three times to display menu . Press "▼" button, the cursor move to the H Position. If it needs to be back, please press "Auto" Button. Press "▼" or "▲" button, it can change the alternating of H Position .

## 7.5 Language setting:



To press “Menu” button, and press “▲” button or “▼” button four times to display “Set up”.and then Press “Menu”Button to move the cursor to the “Language”,it can change the language.Press”▼” move the cursor to “mute” .Press”Auto”button for back step.Press”menu” for language setting.Press“▲”“▼”moving the cursor to set up“language”.

## 7.6 Language switch:



**Remark:** “Auto” button is a signal selection button when it is used independently, with the selection order is "VGA", "DVI", "HDMI". When it is used as the auxiliary, it is a return button.