



AV MOUNTING SOLUTIONS

WR-22B2

Motorized retractable monitor

User manual



Screen size : 21.5 inch

Signal input : HDMI, VGA

Tilt angle: 0°

Double screen

Touch function : optional

1. Listing. Shape and Panel Key Description

1.1 Packing list

No.	Name	QTY
1	LIFT SYSTEM	1PCS
2	POWER CABLE	1PCS
3	VGA CABLE	1PCS
4	NULLMODEM CABLE	1PCS
5	USER MANUAL	1PCS

1.2 Panel key Functions

No.	English	Button show
1	STOP	
2	UP	
3	DOWN	
4	PC SW	
5	SA SW	

1.3 Interface board features(from left to right)



FIG1 surface

1.3.1HDMI 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(When cluster control)

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

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

1.3.11 AC220-240V 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.



FIG2 connector(female)

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



FIG3 Remote control can program 6 channel

1.4.3 Control Button: (Please see Panel Key function, Red means light power indicator)

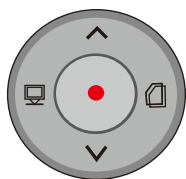


FIG 4 Panel control button

Custom backup keys for customer preparation,the corresponding function is connected with the interface board.

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



FIG5 Screen Button

“Menu” menu button

“Auto” Automatic adjustment key

“▲”Variable increment key,

“▼”Variable reduced key,

“⏻”Screen Power Switch button。

“LED” Power indicator (Red means no have signal, Green means have signal)

2. Features and Major 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 adopt pure aluminum with tempered glass front and rear, high-end atmosphere.

2.2 : Major Technical Indicator

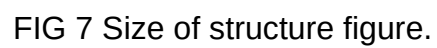
2.2.1. LIFT Technical Data

No.	Name	Date
1	Working Voltage frequency	AC220-240V 50/60Hz
2	Consumed power	<60W
3	single-working time	20S
4	Elevation angle	0
5	Product weight	25Kg

2.2.2 Product size and packing size

Items	Product size	Packing size	Weight
WR-22B2	738mm*95mm*700mm	860mm*820mm*205mm	25KG

3.1 Size of structure figure.



3.2 User installed out-cut size figure.

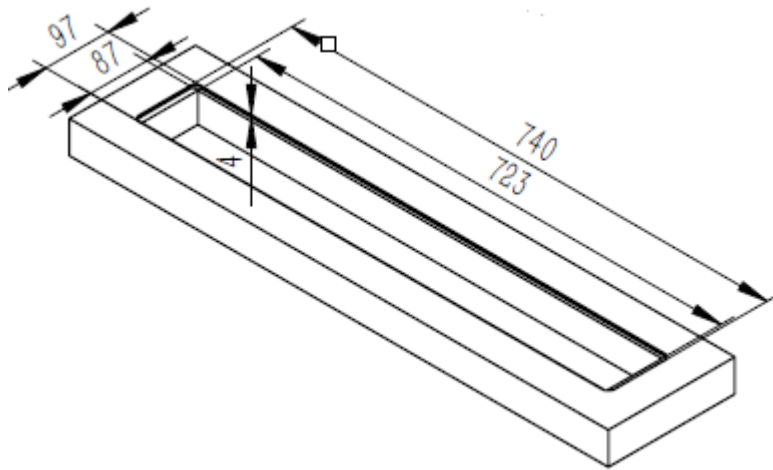


FIG8 OUT-CUT SIZE

3.3 Installation Notes:

3.3.1 Before operation, please remove two "transport fixing screws" on the cover and clean the inside of the clamshell door foam filler.

3.3.2 The lifter embedded inside the opening, panel flush with the desktop.

3.3.3 Video Signal connector Cable (VGA or HDMI or DVI)

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

3.3.5 If need Central-controlled system, please connect the control line RS485.

3.3.6 Connected the antenna with antenna base together

4. Turn on AC220V power supply, panel indicator is light, press UP key to complete the automatic elevation, the screen lights up.

5. Technical date:

5.1 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

5.2 Computer software control

5.2.1Download "Multifunctional lifting equipment Control Center" control software from the company's official website.

5.2.2Prepare a RS232-485 or USB-RS485 protocol converter.

5.2.3 Uses Windows XP systems to install the software.

5.2.4Connect the LIFT equipment.

5.2.5According to the software that comes with help files, you can use to operate.

6. Solutions of monitor common problems:

Common failure analysis

No.	Fault phenomenon	Analysis reason
5.1	Display is blank	·Power switch is turned off? ·Signal source is interrupted?
5.2	Blurred characters	· Is match with the resolution of the computer? Contrast and brightness adjustments are correct?
5.3	Black Screen	·No signal may be turned off automatically Brightness? Brightness adjustment if adjust to the minimum?

		·Long press "Auto" key may cause shutdown, the LED turns red.
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7. Solutions of Lifter common problems:

7.1 All machine no power, light does not shine:

Pry the Insurance cover of power to check the fuse if damage? If so, please change specifications 3.15A fuse.

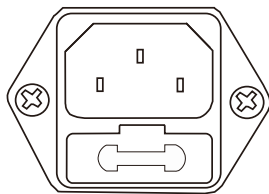


FIG 9 Location of fuse socket GB

7.2 The control circuit board Common trouble diagnosis method:

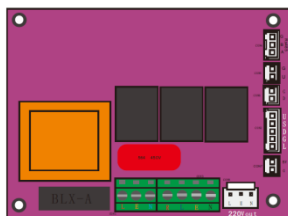


FIG10 Control board

- 7.2.1 Pls check the power supply socket "L" and "N" (between the circuit board of the LT3 terminal) resistance is about 1.1K or so, which is normal, if deviate from this range ,it has the problem.
- 7.2.2 Indicator light does not shine, the key is invalid, but computer control normal: may be key board cable transport from strong vibration caused by poor contact.
- 7.2.3 Circuit boards 12V abnormal, check L7812 if it's damage.
- 7.2.4 Circuit boards 5V abnormal, check L7805 if it's damage.
- 7.2.5 Up limit switch belong pulse level control, after the pulse remains stopped. But the display power required to maintain the state of shading for photoelectric control.
- 7.2.6 Down limit switch belong to low pause control, continued to decline at a high level. Therefore, photoelectric control gobo stop during descent should remain light shielding state.