Monitor

User Manual



UD42714B

About this Document

- This Document includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only.
- The information contained in the Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document at the Hikvision website (*https://www.hikvision.com*). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

About this Product

This product can only enjoy the after-sales service support in the country or region where the purchase is made.

Acknowledgment of Intellectual Property Rights

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- HIKVISION and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.
- HDMI The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

LEGAL DISCLAIMER

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.
- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

Applicable Models

This manual is applicable to monitor.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
Note	Provides additional information to emphasize or supplement important points of the main text.
Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Safety Instructions

Danger

- Caution: The device may generate radio interference in indoor environment. Necessary precautions may be required.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- Provide a surge suppressor at the inlet opening of the device under special conditions such as the mountain top, iron tower, and forest.
- If the device uses a 3-prong power supply plug, it must be connected to an earthed mains socket-outlet properly.
- The socket-outlet shall be installed near the device and shall be easily accessible.
- Do not touch the bare components (such as the metal contacts of the inlets) and wait for at least 5 minutes, since electricity may still exist after the device is powered off.

- CAUTION: Replace the fuse only with the same model to reduce the risk of fire or electric shock.
- The device must be connected to an earthed mains socket-outlet.
- Make sure that the power has been disconnected before you wire, install, or disassemble the device.
- CAUTION: This device is for use only with specified bracket (Hikvision's monitor stand). Use with other (carts, stands, or carriers) may result in instability causing injury.
- If the device is equipped with personal music player function, to prevent possible hearing damage, do not listen at high volume levels for long periods. Refer to datasheet for details.
- The interface varies with the models. Please refer to the product datasheet for details.
- If the device needs to be wired by yourself, select the corresponding wire to supply power according to the electric parameters labeled on the device. Strip off wire with a standard wire stripper at corresponding position. To avoid serious consequences, the length of stripped wire shall be appropriate, and conductors shall not be exposed.
- If the device is not working properly, contact the store where the device was purchased or the nearest service center and do not remove or modify the device in any way. (Our company is not responsible for problems caused by unauthorized modifications or repairs.)
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- **Caution**
- The device shall not be exposed to water dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the equipment.
- Ensure correct voltage and wiring of the terminals for connection to mains supply.
- The device has been designed, when required, modified for connection to an IT power distribution system.
- identifies the battery holder itself and identifies the positioning of the cell(s) inside the battery holder.
- + identifies the positive terminal(s) of equipment which is used with, or generates direct current. - identifies the negative terminal(s) of device which is used with, or generates direct current.
- No naked flame sources, such as lighted candles, should be placed on the device.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc. The openings shall never be blocked by placing the equipment on a bed, sofa, rug or other similar surface.
- Keep product surface clean and dry. Do not operate in humid or explosive environment.
- Avoid contact with exposed circuits. Do not touch exposed contacts or components when powering on the product.
- The USB port of the device is used for connecting to a mouse, a keyboard, or a USB flash drive only.
- Install the device according to the instructions in this manual.
- To prevent injury, this device must be securely attached to the floor/wall in accordance with the installation instructions.
- Never place the device in an unstable location. The device may fall, causing serious personal injury or death.
- The additional force shall be equal to three times the weight of the device but not less than 50 N. The device and its associated mounting means shall remain secure during the installation.
- After the installation, the device, including any associated mounting plate, shall not be damaged.
- Do not cause objects to fall on the device or shake the device vigorously, and keep the device away from areas where magnetic field interference exists. Avoid installing the device in a place where the surface vibrates or is vulnerable to shock.
- Do not install the device at high temperatures (above 40 ° C) or low temperatures (below -10 ° C) or high humidity.
- Keep vertical when moving or using the device.
- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- If no power adapter is provided, ensure the power adapter or other power supply complies with Limited Power Source. Refer to the product label for the power supply output parameters.

1. Installation and Power On

Note

The installation drawings are for reference only.

1.1 Install the Square Base

Step 1 Gently lift the device. Place the screen down on a stable surface covered with a thick soft cloth so that the bottom of the device is close to the edge of the surface for mounting the bracket.

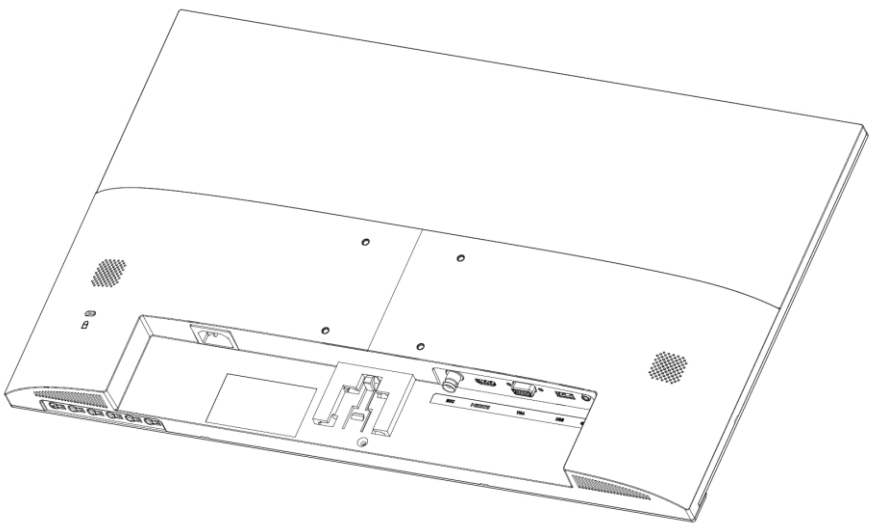


Figure 1-1 Place the Monitor

Step 2 Take out the bracket, cable ties, and square base from the packing box. Align the cable ties with the holes in the bracket and insert the cable ties into the bracket. Then align the bracket with the buckle on the base and fix the bracket clockwise.

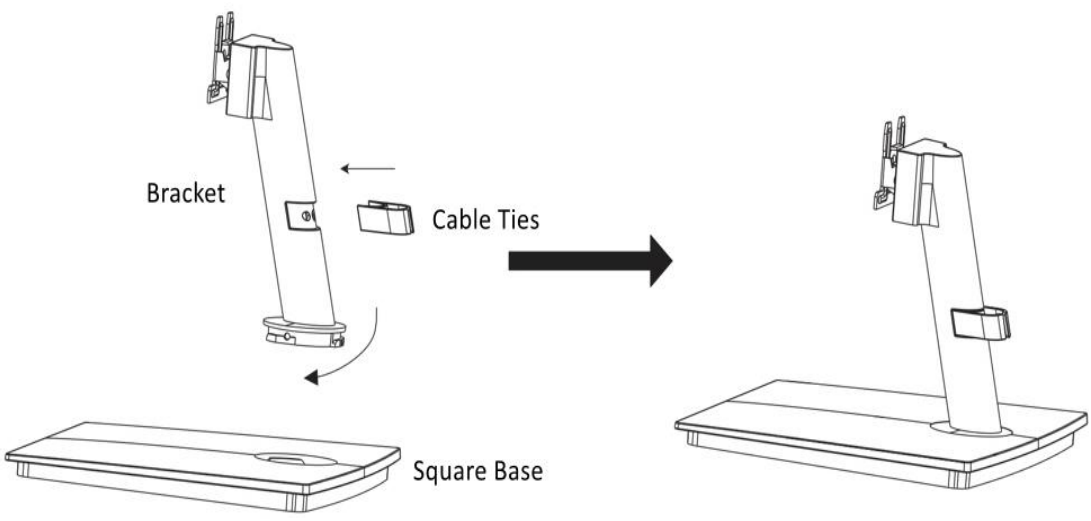


Figure 1-2 Fix the Bracket with the Square Base

Step 3 Align the metal parts on the bracket of square base with the slots at the back of the device and insert them.

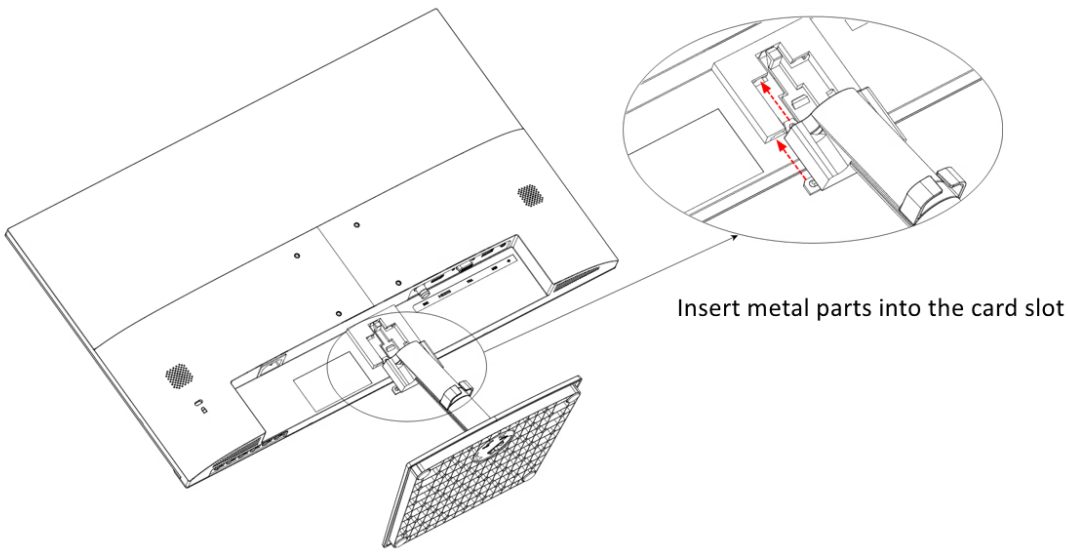


Figure 1-3 Insert the Metal Parts

Step 4 Installation finished.

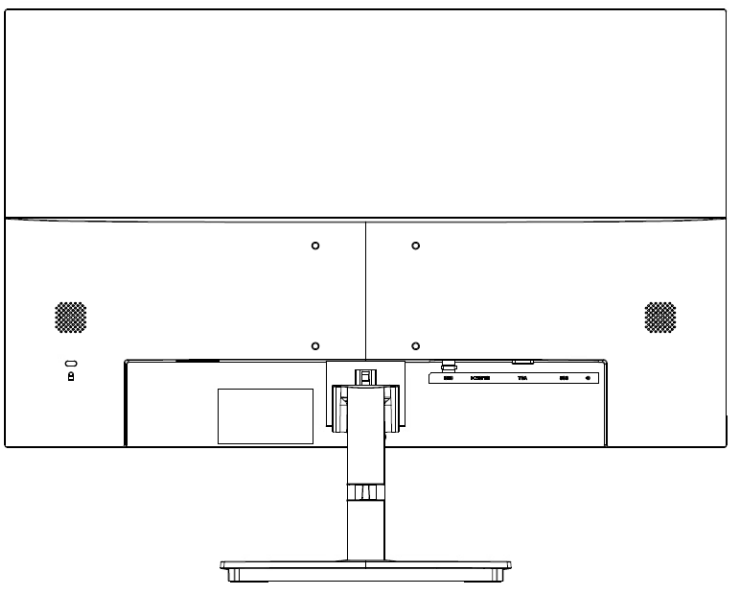


Figure 1-4 Fix the Bracket with the Device

Step 5 (Optional) To remove the square base, perform the following operations.

1) Press and hold the snapback on the back of the device, pan down and pull out the bracket.

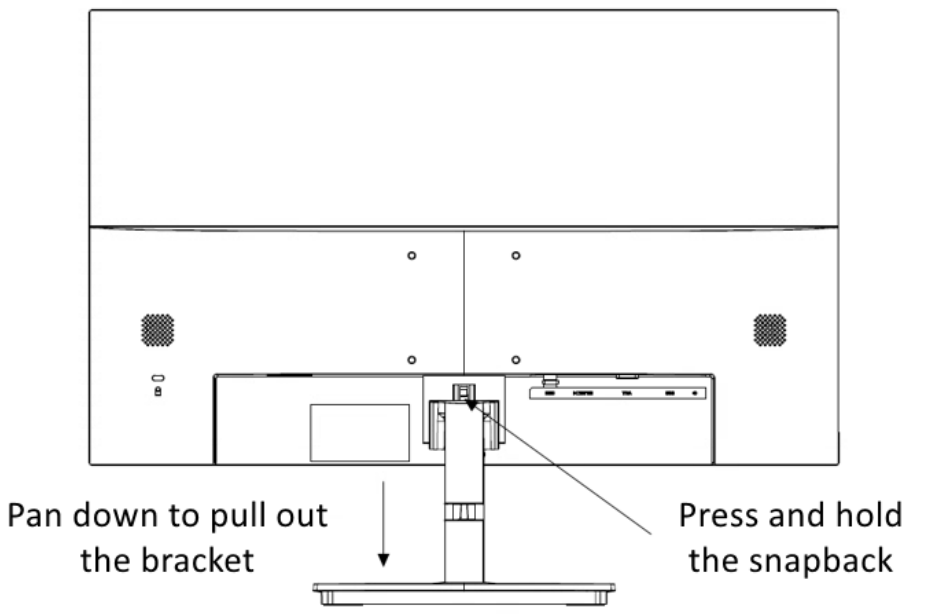


Figure 1-5 Remove the Device and Bracket

2) Fasten the buckle at the bottom of the base with your finger, and rotate the bracket in the direction indicated by OPEN to remove it from the square base.

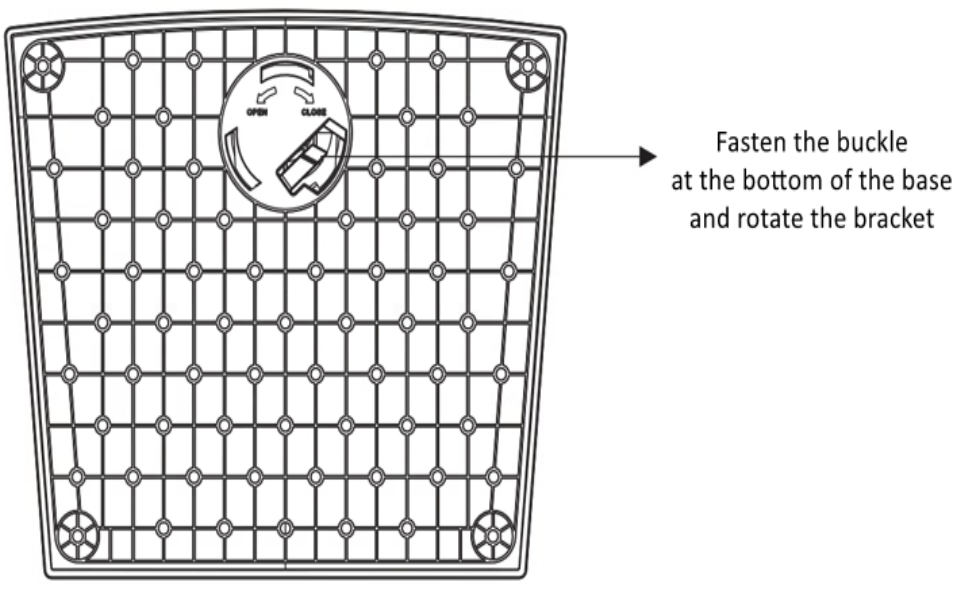


Figure 1-6 Remove the Bracket from the Square Base

1.2 Install the Herringbone Base

Step 1 Gently lift the device and place the screen down on a stable surface covered with a thick soft cloth so that the bottom of the device is close to the edge of the surface for mounting the bracket.

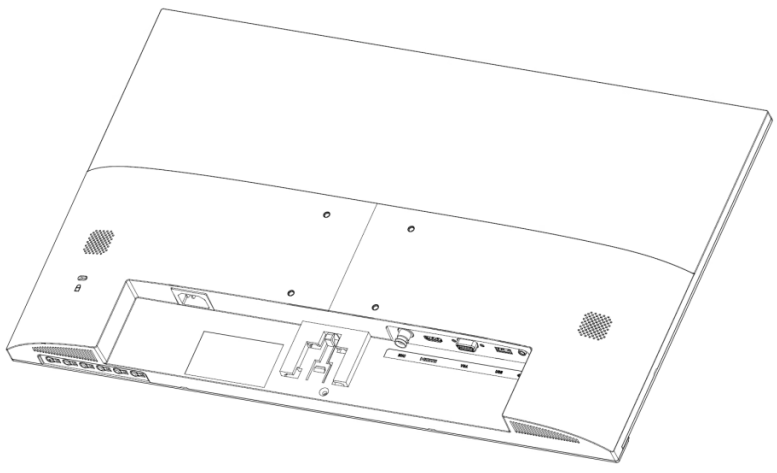


Figure 1-7 Place the Device Flatly

Step 2 Take out the bracket and the herringbone base from the packing box, and insert the bracket downward into the grooves of the herringbone base.

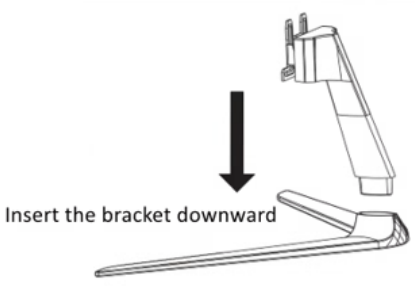


Figure 1-8 Install the Bracket

Step 3 Tighten the screw at the bottom of the base to secure the bracket to the base.

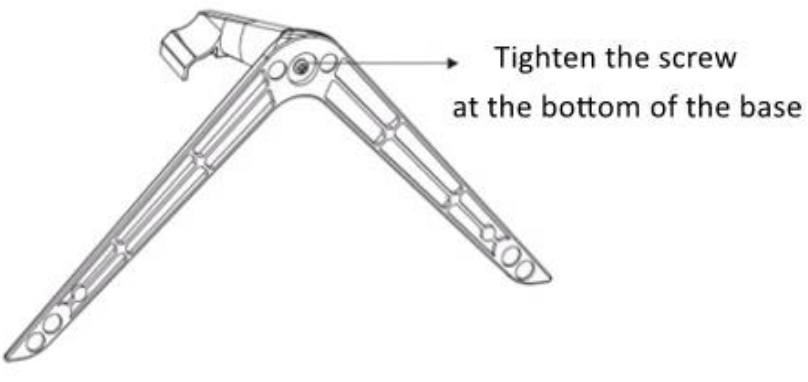


Figure 1-9 Tighten the Screw

Step 4 Install the bracket on the herringbone base.

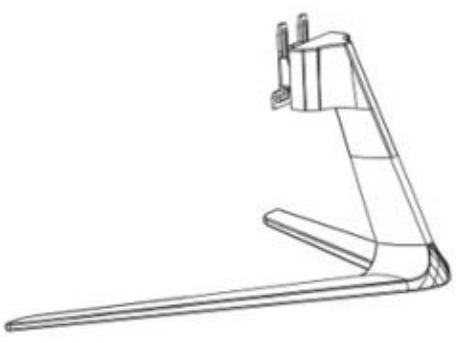


Figure 1-10 Install the Bracket on the Herringbone Base

Step 5 Fix the bracket with the device. For details about how to secure a square base, see 1.1 Step 3.

Step 6 If the herringbone base needs to be removed, remove the bracket and device in the same way as the square base. For details, see 1.1 Step 5. When removing the bracket and base, loosen the screws at the bottom of the herringbone base and lift out the bracket.

1.3 Connect the Power Cord and Signal Cables

Step 1 Connect the device to an earthed mains socket-outlet with the power cord.

Step 2 Connect the input signal source device by using HDMI signal cable, VGA signal cable or BNC cable.

Step 3 Turn on the device.

Caution

- Power Supply: AC 100 to 240 V, Max. 0.7 A.
- Power off the device and disconnect the plug if it is not in use for a long time.
- The device cannot be connected to DC power supply.
- When there is no signal input, the device will enter standby mode and the screen will be off. The device will run at the lowest power consumption. After receiving the signal source, the device will exit the standby mode.
- Standby Power Consumption: no more than 0.5 W.

2. Remote Control

Table 2-1 Remote Control Description

Appearance	Button	Description
		Power on/off
		Mute/Unmute
	FREEZE	Freeze the current display
	MENU	Go to menu settings
	SOURCE	Check or select a signal source.
		Up/Down/Left/Right
	OK	OK
		Play/Pause
		Stop
		Previous/Next
		Repeat
		Return

Note

- The remote control is not available to all kinds of devices. Whether your device is equipped with a remote control depends on the real situation.
- Please purchase the remote control according to your actual needs.

3. Basic Operations

3.1 Buttons on the Front Panel

The buttons at the bottom-right corner of the front panel are defined as follows.

Table 3-1 Button Description

Button	Description
	Power supply indicator.
	Turn On/Off
	• Main menu page: Enter or exit the main menu page. • Sub menu page: Exit the current menu page. • File selection for USB playing: Play. • Other pages: Enter or exit main menu page.
	• Show the current input signal source. • All the menu pages: Confirm.
	• Main menu page: Previous/Next. • Sub menu page: Add or decrease the value. • USB playing page: Volume up/down.
	• Show all the input signal sources. • All the menu pages: Switch to the next page or the parameter of sub menu page.

3.2 Interfaces on the Rear Panel

The interfaces that may be found on the rear panel of the device are defined as follows.

Table 3-2 Interface Description

Interface	Description
AC	Power supply interface
BNC IN	CVBS signal input interface
HDMI	HDMI digital signal input interface
VGA	VGA analog signal input interface
USB	USB 2.0 input interface. Used for upgrading program and playing videos after inserting the USB flash drive.
Audio In	Audio input interface

3.3 Switch the Signal Source

Connect the power cable and confirm that there is a signal source input, and turn on the device.

Step 1 Press to enter the signal source page.

Step 2 Press to select the signal source, and press to confirm.

3.4 USB Menu Operation

Step 1 Press , and insert your removable storage device into the USB interface of the device.

Step 2 Select USB as the input signal source, and then the USB menu displays.

Step 3 Press or to select your desired file type for playing.

Step 4 Press to confirm.

3.5 OSD Menu Operation

Table 3-3 Operation Description

Operation	Description
Enter the main menu	Press to enter the main menu page.
View the main menu	On the main menu page, press or to switch.
View the sub menu	On the main menu page, press to switch.
View parameters	On the sub menu page, press to enter and view different parameters.
Adjust parameters	Press or to adjust the value of the selected parameter, and press to confirm. Press to switch to other parameters.
Return to the upper-level menu	Press on any pages.

3.6 OSD Menu

Table 3-4 Menu Description

Main Menu	Sub Menu	Descrption
Signal Source	Auto	Select the input signal source automatically.
	HDMI	HDMI digital signal source input.
	CVBS	CVBS signal source input.
	VGA	VGA analog signal source input.
	USB	Play materials stored in the USB flash drive.
Image Mode	Image Mode	• **Standard**: Suitable for a normal environment. It is set as default picture mode. • **Gentle**: Suitable for a dark room. • **Dynamic**: Suitable for a bright room. • **User**: Set the brightness, contrast, color, sharpness or hue to adjust display effect.
	Brightness	The higher the value is, the brighter the screen image will be.
	Contrast	The higher the value is, the clearer the screen image will be.
	Color	The higher the value is, the more colorful the screen image will be.
	Sharpness	Rise the value up to make the image more vivid.
Image Settings	Color Space	In Auto mode, the system will automatically adapt to the corresponding color space based on the color space of input signal source. Manual switch between 0~255 or 16~235 is also supported for proper adaptation when the color space identification of the signal source output does not match.
	Eye Care Mode	When enabled, it can effectively reduce blue light radiation, alleviate eye fatigue, and protect vision.
	HDR	When enabled, it can show a wider range of colors and light, and more details in between the extremes.
	Image Still	When enabled, the screen image will remain static.
	Aspect	Adjust the image scale: the ratio between the width and height of the image.
	Auto Adjust	Press 〈 or 〉 to turn off or turn on. If **Auto Adjust** is enabled, the related parameters will self-adjust under the following 3 circumstances. The device is restarted, a VGA input source is accessed, and the input source is switched to VGA. VGA parameters cannot be changed when Auto Adjust is disabled.
Backlight Settings	Backlight	Adjust the backlight brightness of the screen.
Control Linkage	Control Linkage	Once enabled, many operations can be done including turn on or turn off the screen.
	Videowall No.	ID number of the videowall.
	Intelligient Scenes	When enabled, you can switch the image mode on the screen.
Keypad	Keypad	Set to **On** by default. When set to **Off**, OSD will change within 5 seconds. If there is no operation within 5 seconds, the system will exit OSD mode and you can press any button to see unlocking prompt. You can follow the prompt and hold Menu to unlock.
Volumn	Mute	Mute or unmute the device.
	Volumn	Adjust the volumn of the device.
	Balance	Adjust the balance between the left and right speakers.
System Information	Software Version	Software Version.
	Device ID	ID Number of the device.
	Serial Number	Serial number of the device.
OSD Settings	Language	Set the language of OSD menu as required.
	OSD Duration	The displaying time for OSD menu when there is no operation.
	Auto Sleep	Turn off the auto sleep mode or set the auto sleep time of the device.
	Screen Saver	The background color of the screen when there is no signal.
System Maintenance	Upgrade(USB)	Upgrade the software version of the device by inserting the USB flash drive.
	User Reset	Reset to default settings except language.