HIKVISION

22-inch Monitor

User Manual

Legal Information

About this Manual

The Manual 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 Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (https://www.hikvision.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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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.

Disclaimer

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

FCC Conditions

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.

EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Applicable Models

This manual is applicable to 22-inch monitor.

Symbol Conventions

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

Symbol	Description
[i]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

⚠**Caution**

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- The equipment shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the equipment.
- CAUTION: To reduce the risk of fire, replace only with the same type and rating of fuse.
- The equipment must be connected to an earthed mains socket-outlet.
- Ensure correct wiring of the terminals for connection to an AC mains supply.
- The equipment has been designed, when required, modified for connection to an IT power distribution system.
- Do not ingest battery. Chemical burn hazard!
- This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type.

- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- Dispose of used batteries according to the instructions.
- ⊞▭ 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 equipment which is used with, or generates direct current.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- 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.
- The USB port of the equipment is used for connecting to a mouse, a keyboard, or a USB flash drive only.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the equipment.
- Install the equipment according to the instructions in this manual.
- To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.
- Keep vertical when moving or using the equipment.
- CAUTION: This equipment is for use only with specified bracket (Hikvision's monitor stand). Use with other (carts, stands, or carriers) may result in instability causing injury.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.

Chapter 1 Introduction

1.1 Key Features

- 8-bit/10-bit dual channel LVDS (1920×1080) HD display.
- 3D digital comb filter and 3D noise reduction technology.
- Hi-Fi color OSD and user-friendly menu for operation.
- Programmable 12-bit RGB gamma correction.
- Complete factory setting mode.
- 1 × HDMI 1.4 input interface, and HDCP 1.1 available.
- Software spread spectrum technology reduces EMI radiation.

Note

The specific features may vary with models. Refer to **Rear Panel Interface** for details.

1.2 Packing List

Table 1-1 Packing List

Name	Quantity
Monitor	1
Power cable (AC device)/Power adapter (DC device)	1
HDMI cable (Optional)	1
Base set	1
User manual	1
Quick start guide	1

1.3 Power On

1.1 **AC Device**

Connect the device to an earthed mains socket-outlet, and press the power button.

⚠ **Caution**

- Power supply: 220 VAC~, 50/60 Hz.
- 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.

1.2 **DC Device**

Connect the power adapter to the device, and plug the other end of the adapter to an earthed mains socket-outlet, then press the power button.

⚠ **Caution**

- Power supply for the adapter: 12 VDC, 2 A.
- Power off the device and disconnect the plug if it is not in use for a long time.

Chapter 2 Rear Panel Interface

The panel appearances and interfaces vary with different models. The devices can be classified as follows.
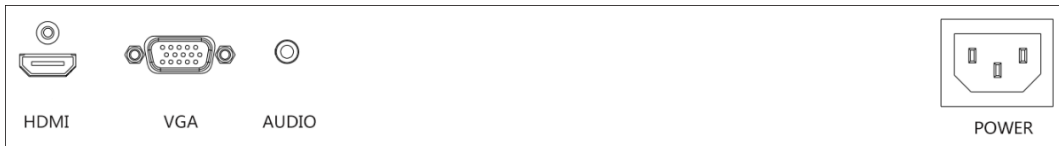
Type A

Figure 2-1 Interface of Type A
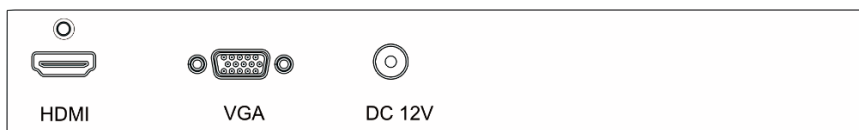
Type B

Figure 2-2 Interface of Type B

Type C

Figure 2-3 Interface of Type C

Table 2-1 Interface Description

Interface	Description	Interface	Description
HDMI	HDMI digital signal input interface	AUDIO	Audio input interface
VGA	VGA analog signal input interface	POWER	AC power supply
DC 12 V	Power adapter interface	--	--

Note

Audio input interface is only available to type A, and power adapter interface to type C.

Chapter 3 Panel Buttons

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

Figure 3-1 Panel Buttons

Table 3-1 Button Description

Button	Description
⏻	Power On/Off
⧉	● Menu page, source page, and volume page: Exit the current page. ● Other pages: Display main menu page.
⇄	● Display the current input source. ● All the menu pages: OK
< >	● Second-level page: add/reduce ● Volume page: volume up/down
⇥	● Display all the input sources. ● All the menu pages: Switch to next one.

Chapter 4 Basic Operation

The display interfaces vary with different models. The figures followed are for illustration purpose only.

4.1 Switch Signal Source

Connect the device to mains socket-outlet and signal source, and power the device on.

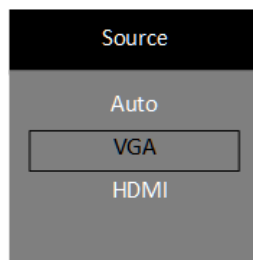Step 1 Press ⇥ to enter the signal source page.


Figure 4-1 Signal Source

Step 2 Press ⇥ to switch input sources, and press ↵ to confirm.

4.2 Menu Operation

Table 4-1 Basic Operation

Operation	Description
Enter main menu page	Press ⊡.
Check first-level menu	On the main menu page, press ⇥ to switch.
Check parameters	On the first-level menu page, press ↵ to enter and check different parameters.
Configure 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 menu	Press ⊡ on any pages.

4.2.2Image Settings

You can switch picture modes and adjust image parameters including contrast, brightness, color, sharpness, and hue. The adjustable parameters will change when you switch from a picture mode to another.
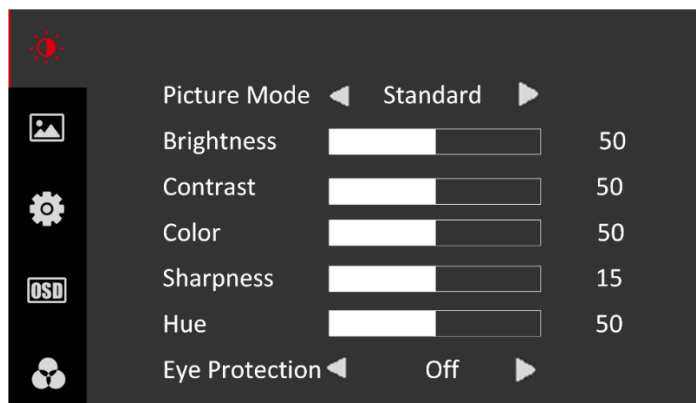

Figure 4-2 Image Settings

Table 4-2 Image Parameters

Parameter	Description
Picture Mode	● **Standard**: Suitable for a normal environment. It is set as the default picture mode. ● **Soft**: Suitable for a dark room. ● **Dynamic**: Suitable for a bright room. ● **Custom**: Set the brightness, contrast, color, sharpness or hue to adjust display effect.
Brightness	Ranges from 0 to 100. The higher the value is, the brighter the display will be.
Contrast	Ranges from 0 to 100. The higher the value is, the clearer the image will be
Color	Ranges from 0 to 100. The higher the value is, the more colorful the image will be.
Sharpness	Ranges from 0 to 30. Rise the value up to make the image more vivid.
Hue	Ranges from 0 to 100. It determines the contrast degree between the bright and dark.
Eye Protect	Off/Weak/Medium/Strong

Note

- Under custom mode, brightness, contrast, color, sharpness, and hue are adjustable.
- Under other modes, only brightness and contrast are adjustable.
- Parameters in white bar are adjustable. If the parameter bar is gray, it indicates that the parameter is not adjustable under the current mode or input source.
- Eye protection mode is only available for type C.

4.2.3 VGA Settings

When you select VGA as the input source, you can adjust VGA parameters to make the picture show in the correct position.
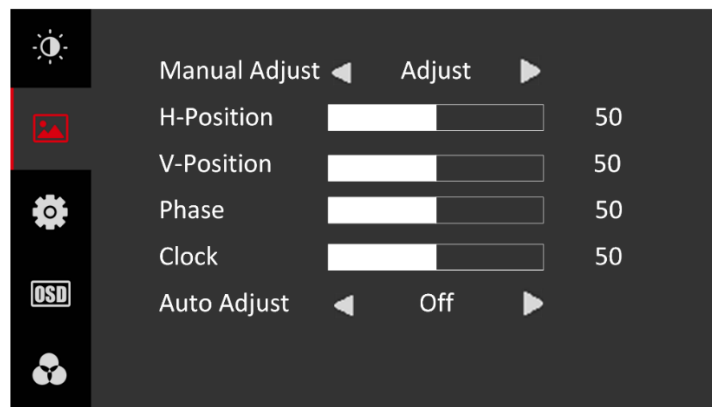

Figure 4-3 VGA Settings

Table 4-3 VGA Parameters

Parameter	Description
Manual Adjust	Adjust. Press ⟨ or ⟩ to enable or disable.
H-Position	Ranges from 0 to 100.
V-Position	Ranges from 0 to 100.
Phase	Ranges from 0 to 100.
Clock	Ranges from 0 to 100.
Auto Adjust	Off/On

📖**Note**

● Adjusting the value of **H-Position** and **V-Position** will change the image position in a large extent, while **Phase** and **Clock** in a slight extent.

● Change the value of **Clock** will stretch or narrow the image.

● 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.

4.2.4 System Settings

You can change the settings of language, screen saver, volume, and other parameters on the page of system setting. Volume settings is only available to part of the models.
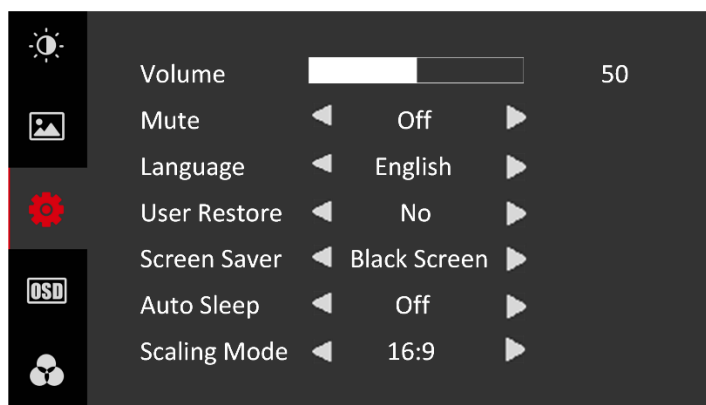

Figure 4-4 System Settings

Table 4-4 System Parameters

Parameter	Description
Volume	Ranges from 0 to 100.
Mute	Off/On
Language	English
User Restore	No/Yes
Screen Saver	Black Screen/Blue Screen
Auto Sleep	Off/1 Min/5 Min/10 Min/30 Min/1 H
Scaling Mode	16:9/4:3

📖**Note**

Volume settings and mute switch are only supported for type A.

4.2.5 OSD Settings

OSD parameters concern the display effect of OSD, such as position, transparency, and rotation.
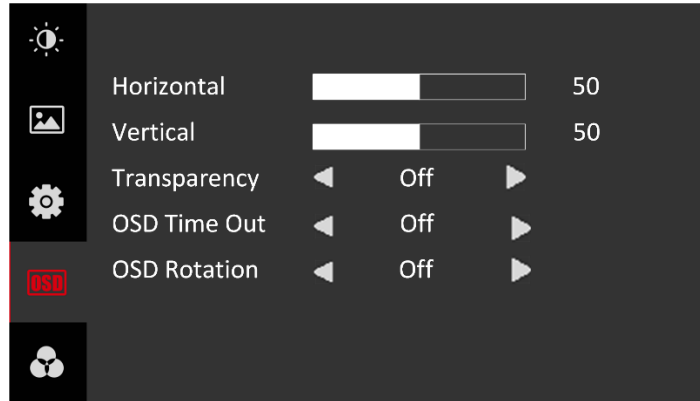

Figure 4-5 OSD Settings

Table 4-5 OSD Parameters

Parameter	Description
Horizontal	Ranges from 0 to 100.
Vertical	Ranges from 0 to 100.
Transparency	Off/Weak/Medium/Strong
OSD Time Out	Off/5 S/15 S/30 S/1 Min
OSD Rotation	Off/On

🛈Note

If **OSD Rotation** is enable, the OSD will rotate 270 degrees clockwise, and the point (0, 0) is at the bottom-left corner.
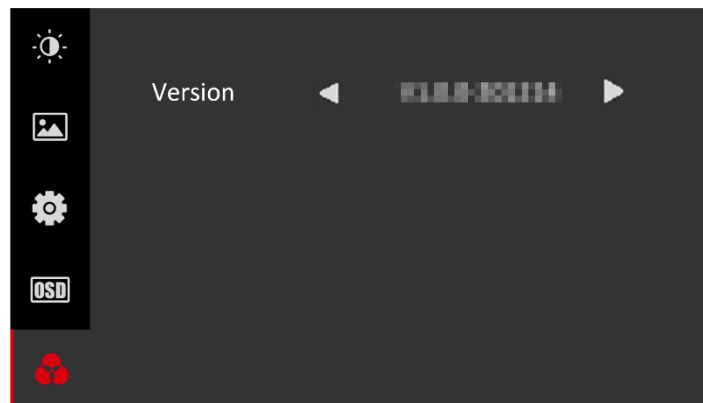
4.2.6 Software Version

Figure 4-6 Version

See Far, Go Further