



Monitor

User Manual

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.

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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense

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

Industry Canada ICES-003 Compliance




This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

Applicable Models

This manual is applicable to the model: 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

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 100 to 240 VAC or 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- The mains plug of the equipment is used as disconnect devices, the socket-outlet shall be installed near the equipment and shall be easily accessible;

Note:

Forward tilt of the whole machine is not recommended in use; if there is a need for forward tilt, it is recommended that the forward tilt angle should not exceed 5 degrees.

TABLE OF CONTENTS

1.Precautions For Operation	1
1.1 Power Cord Usage.....	1
1.2 Cleaning and Maintenance.....	1
2.Product Function Introduction.....	3
2.1 Function Characteristics.....	3
2.2 Packing List.....	3
2.3 Power Connection.....	3
3. Device Interface.....	4
4.Panel Keys.....	5
5.Basic Operating Instructions.....	6
5.1 Shortcut Menu.....	6
5.2 Main Menu.....	7

1. Precautions For Operation

The display uses LED liquid crystals manufactured with high-precision technology. But there may be small spots on the screen where the pixels are not bright or have low brightness. If you view the screen from a tilted sharp angle, you may see uneven color or brightness. Please note that this is not a malfunction, but a common phenomenon of LCD screens.

1.1 Power Cord Usage

- If the power cord is broken or malfunctioning, do not attempt to repair it. Please ask the maintenance agency to be responsible for the maintenance. Please check and ensure that the voltage value on the nameplate on the rear shell matches the main supply voltage value, and ensure that the AC power line and ground wire are connected.
- Do not expose this product to conductive environments such as rain or damp gases. Please unplug the power cord and antenna plug during thunderstorms and lightning weather.
- The display should be installed near an easily pluggable AC power socket, and the ground wire should be the same as other electronic devices to prevent signal interference.
- Please unplug the power plug when there is no one indoors or when not in use for a long time.
- Please perform the operation after two minutes of power outage to ensure that the discharge ends after the power is cut off.
- Do not use power cords that are not configured locally. If you want to replace them, please purchase the same specification power cord from a legitimate channel.
- Please check and ensure that the AC power cord and ground wire are connected.
- Do not let the power plug and socket adhere to dust and metal attachments.
- It is prohibited to modify the power cord.
- Do not press heavy objects onto the power cord.
- Keep the power cord away from heat sources.
- Keep the power cord away from heat sources.

1.2 Cleaning and Maintenance

- The rear shell of this product has heat dissipation holes. When cleaning, do not directly spray, pour liquid, or use a damp cloth to clean the rear shell.
- When cleaning is required, please unplug the power plug first.
- When cleaning the monitor, please use a flexible, dust-free, and dry cloth to wipe it.
- Please contact the service center for internal cleaning of the machine.
- Proper maintenance can prevent many early failures.
- Do not use industrial chemical reagents to clean this machine, and be careful to prevent foreign objects from entering the interior of the machine.

2.Product Function Introduction

2.1 Function Characteristics

- Humanized operation menu;
- Multiple image modes are available for different usage scenarios;
- 16.7 M color;
- Perfect factory setting mode;
- Supporting software spread spectrum technology can reduce EMI radiation; Standby power consumption less than 0.5 W;
- The visual angle can reach up to 178 ° horizontally and 178 ° vertically.

2.2 Packing List

Before installing the monitor, please check your accessories. If there is any damage or missing, please contact your local supplier.

Table 2-1 Packing List

Article	Number	Article	Number
Monitor	1	Support	1
Operating Manual	1	Base	1
HDMI Cable	1	Power Line	1

2.3 Power Connection

Plug one end of the power cord (as shown in Figure 2-1) into the monitor and the other end into a well grounded busbar, Press the key "⏻" to turn on the machine.



- NOTICE** ■ The power supply used for this machine: AC 220V~, 50/60 Hz.
- If the monitor is not used for a long time, the "POWER" switch of the monitor should be turned off and the power plug should be unplugged from the power socket.
 - Do not connect to a DC power source.

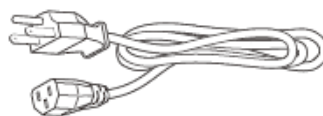


Figure 2-1 Power cord diagram

3.Device Interface

Device Interface

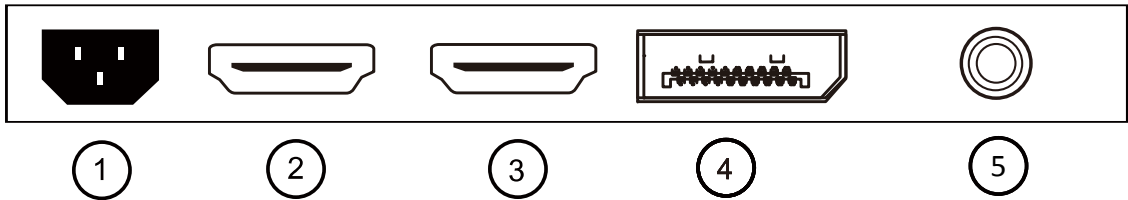


Figure 3-1 Interface diagram

Table 3-1 Equipment Interface Description

Interface	Illustrate
1	AC power input terminal
2	HDMI 2.0 signal input terminal
3	HDMI 2.0 signal input terminal
4	DP signal input terminal
5	Audio Out interface

4.Panel Keys

The display panel buttons are shown in Figure 4-1 4-2:

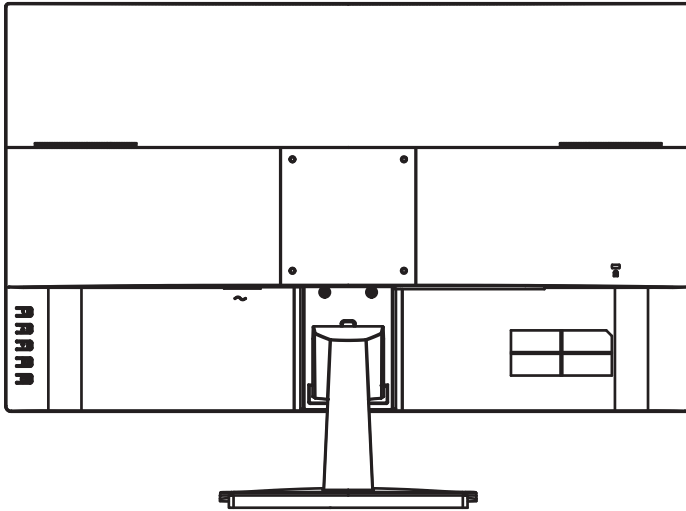



Figure 4-1 Display schematic diagram



Figure 4-2 Key Illustration

- Menu/Selection (1):
In the OSD activation state, enter the next submenu or execute the corresponding function, and in the OSD inactive state, display the OSD main menu.
- Adjustment/brightness shortcut key (▲):
Adjust the selection items in the OSD active state, and use the brightness mode shortcut key in the OSD inactive state.
- Adjustment/Contrast shortcut key (▼):
Adjust the selection items in the OSD active state, and use the contrast shortcut key in the OSD inactive state.
- Exit/Starlight shortcut key (2):
When the OSD menu is in a closed state, pressing this button will enter the collimation adjustment function and have the function of exiting the collimation; In the OSD activation state, return to the previous level or exit OSD.
- Power switch/():
Turn on/off the power supply of the monitor.

5. Basic Operating Instructions

5.1 Shortcut Menu

OSD shortcut keys

This function facilitates users to adjust brightness, contrast, and image functions.

1. When there is no active menu, directly press the "▲" key to pop up a shortcut menu for brightness adjustment.
2. When there is no active menu, directly press the "▼" button to pop up a shortcut menu for contrast adjustment.

When there is no active menu, directly press the "2" key to enter the collimation adjustment mode, and press "▲" or "▼" to switch the collimation mode.



Note: When the user opens dynamic contrast or selects non-standard mode, the brightness and contrast shortcut keys are invalid.

On screen menu (OSD) usage guidelines

The following description can help you adjust the display through the operation menu on the screen. Once you have completed a certain function, please select the (2) key to exit the menu.

Please follow the steps below to adjust using OSD (Screen Menu).

Step 1: Press the main menu (1) key once to activate the OSD menu.

Step 2: Press the selection key "▲" or "▼" to select the function icon you want to adjust.

Step 3: Press the (1) key once to activate the function icon you want to adjust.

Step 4: Press "▲" or "▼" to adjust the set value and adjust the screen.

Step 5: Press the (1) key again to save the adjusted set value, and then press the (2) key to return to the previous menu; You can use "▲" or "▼" to select other function icons for settings, or press the (2) key once to exit.

Step 6: Repeat steps 2 to 5 to make adjustments to other functions.

5.2 Main Menu

The steps for adjusting image settings are as follows.

step 1 Press the [1] key to display the main menu page on the screen (as shown in the following figure). Press the [1] key to enter the right [Brightness]

Adjust the interface. At this point, the word "brightness" is selected and turns blue. Press the [▼ or ▲] button to switch to contrast, dark field adjustment, color saturation, dynamic contrast, image mode, and HDR.

step 2 Brightness, contrast, dark field adjustment, color saturation: When brightness, contrast, dark field adjustment, or color saturation is selected (this sentence is omitted below), press the [▼ or ▲] button to adjust its range.

step 3 Dynamic contrast: Press [▼ or ▲] to turn it on or off.

step 4 Image mode: Press [▼ or ▲] to select the screen mode being displayed.

step 5 HDR: Press [▲ or ▼] to select automatic or off.

step 6 After adjusting, press the [2] key to return to the upper menu.

Remarks:

When the user opens dynamic contrast and other non-standard modes, the brightness and contrast shortcut keys are invalid.

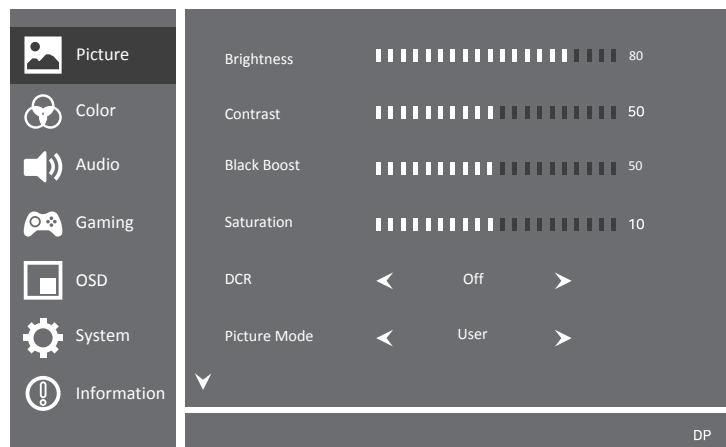


Figure 5-1 Menu diagram

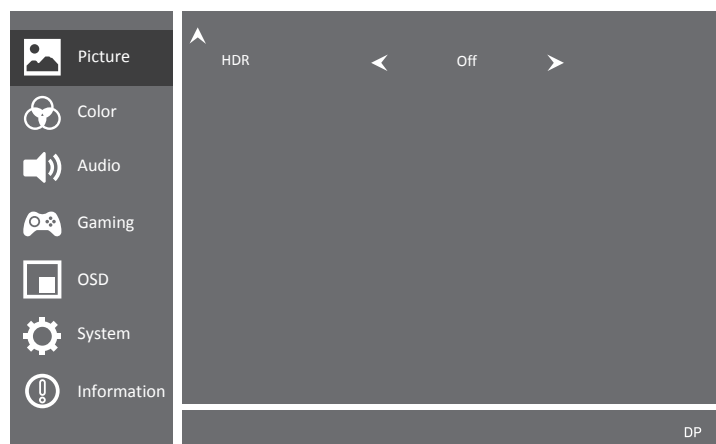


Figure 5-2 Menu diagram



The illustrations in the manual are for reference only, and everything is subject to the actual product.

The steps for adjusting color settings are as follows.

Step 1: Press the [1] key to open the menu page, and then press again [▼]to enter the page shown in the following figure.

Step 2: Press the [1] key in the menu setting interface to enter the secondary menu on the right.

Step 3: Gamma: Select Gamma 1.8, 2.2, 2.4.

Step 4: Color temperature: Select cold color temperature, normal, warm color temperature, and user; When selecting a user, the red, green, and blue values below can be adjusted, with an adjustable range of 0-100.

Step 5: Low blue light: anti blue light function

Step 6: After adjusting, press the [2] key to return to the upper menu.

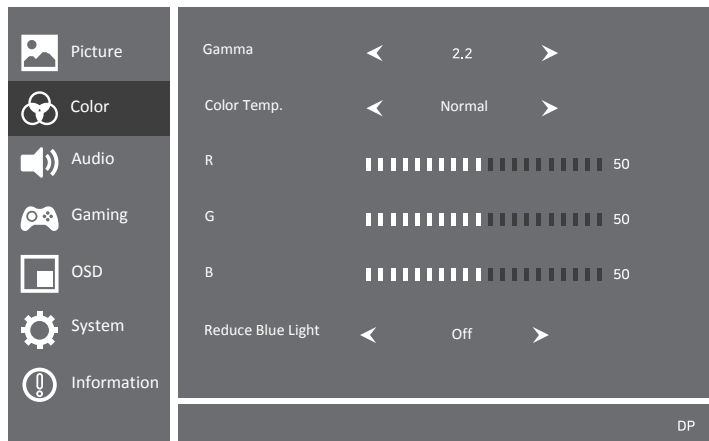


Figure 5-3 Menu diagram



The illustrations in the manual are for reference only, and everything is subject to the actual product.

The steps for adjusting the volume setting are as follows.

Step 1: Press the [1] key to open the menu page, and then press [▼] twice to enter the page shown in the following figure.

Step 2: In the menu setting interface, press the [1] key to enter the secondary menu on the right.

Step 3: Volume: Press the button [▲ or ▼] to adjust the menu value, with an adjustable range of 0-100.

Step 4: Mute: Set the monitor sound on or off.

Step 5: After adjusting, press the [2] key to return to the upper level.

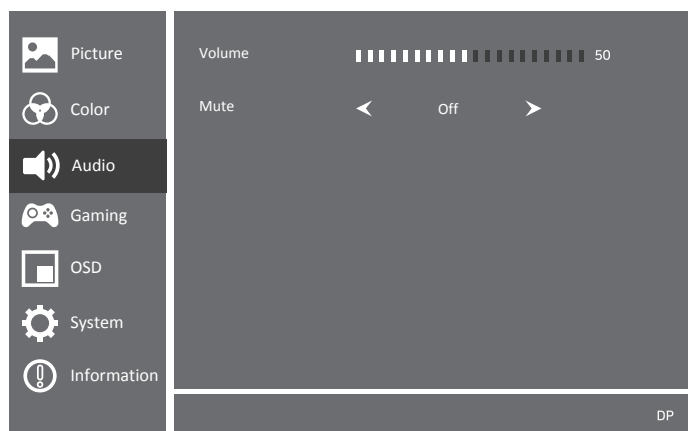


Figure 5-4 Menu diagram

The steps for adjusting game settings are as follows.

Step 1: Press the [1] key to open the menu page, and then press [▼] three times to enter the page shown in the following figure.

Step 2: Press the [1] key in the menu setting interface to enter the secondary menu on the right.

Step 3: Game mode: Set the mode of the display screen in the game.

Step 4: Collider: Select a collimator style.

Step 5: Horizontal position of the collimator: Adjust the left and right positions of the collimator.

Step 6: Vertical position of the collimator: Adjust the upper and lower positions of the collimator.

Step 7: Color of the collimator: Select the color of the collimator.



The illustrations in the manual are for reference only, and everything is subject to the actual product.

Step 8: Low Input Delay: Select Low Input Delay on and off.

Step 9: OD: Select the OD mode.

Step 10: Adaptive Sync: Select Adaptive Sync on and off.

Step 11: Refresh Rate: Select the location to display the refresh rate.

Step 12: After adjusting, press the [2] key to return to the upper level.

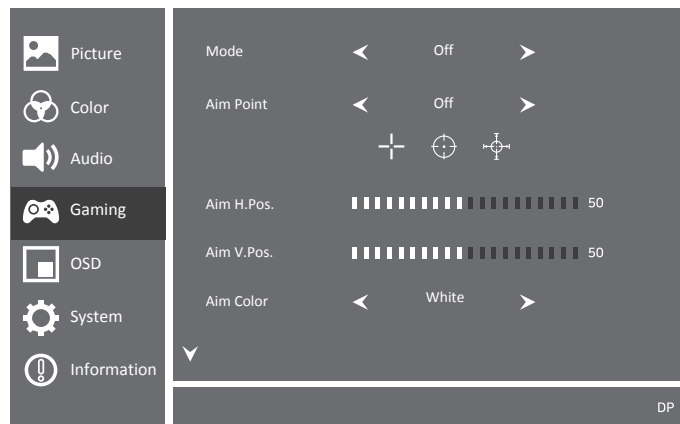


Figure 5-5 Menu diagram



Figure 5-6 Menu diagram



The illustrations in the manual are for reference only, and everything is subject to the actual product.

The steps for adjusting OSD settings are as follows.

Step 1: Press the [1] key to open the menu page, and then press [▼] four times to enter the page shown in the following figure.

Step 2: Press the [2] key in the menu setting interface to enter the secondary menu on the right.

Step 3: Horizontal position: Adjust the left and right positions of the OSD menu.

Step 4: Vertical position: Adjust the up and down positions of the OSD menu.

Step 5: OSD time: Adjust the display time of the OSD menu.

Step 6: Transparency: Adjust the transparency of the OSD menu.

Step 7: After adjusting, press the [2] key to return to the upper level.

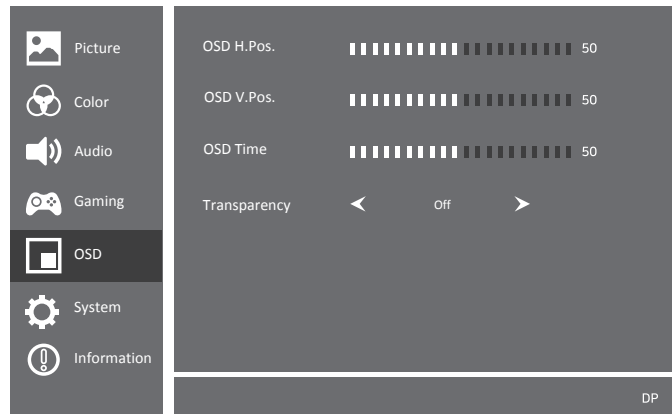


Figure 5-7 Menu diagram



The illustrations in the manual are for reference only, and everything is subject to the actual product.

The steps for adjusting system settings are as follows.

Step 1: Press the [1] key to open the menu page, and then press [▼] five times to enter the page shown in the following figure.

Step 2: Press the [1] key in the menu settings interface to enter the secondary menu on the right.

Step 3: Input signal: Select the input signal.

Step 4: DDC/CI: Select DDC/CI on and off.

Step 5: Image Scale: Select the image scale.

Step 6: Language: Select the OSD language.

Step 7: After adjusting, press the [2] key to return to the upper menu.

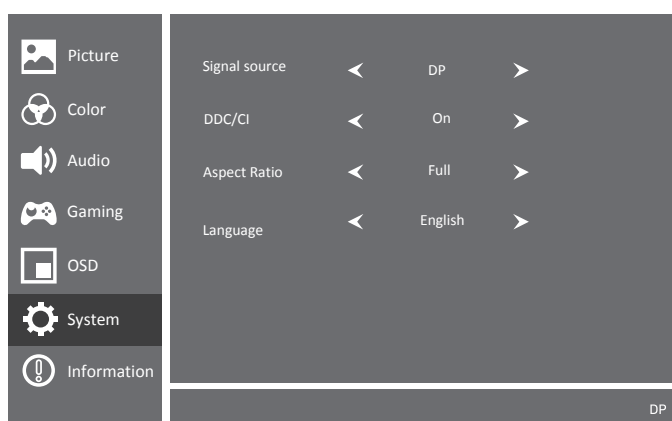


Figure 5-8 Menu diagram

The steps for adjusting information are as follows.

- Step 1: Press the [1] key to open the menu page, and then press [▼] six times to enter the submenu.
- Step 2: Press the [1] key in the menu setting interface to enter the secondary menu on the right.
- Step 3: Reset: Restore factory settings
- Step 4: Mode: Display the current display mode
- Step 5: After adjusting, press the [2] key to return to the upper menu.



Figure 5-9 Menu diagram



The illustrations in the manual are for reference only, and everything is subject to the actual product.

