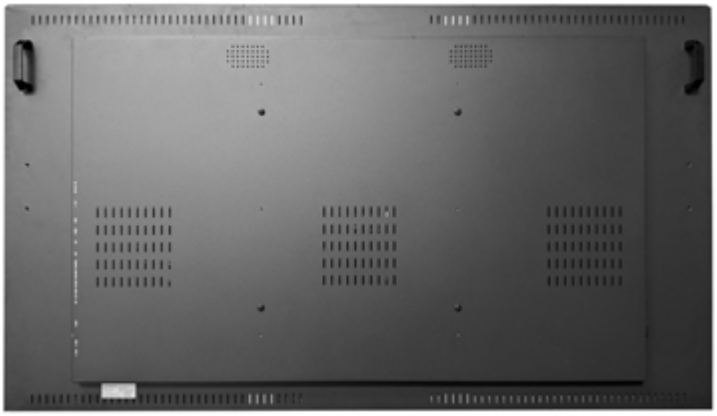
TOUCHSCREEN GURU
FOR A BETTER DISPLAY

PN# 65UHDNANOAVIPTSG

ULTRA-SERIES 65" UHD Multi-Touch Monitor

Built for 24/7 - Anti-Fingerprint - 700+ cd/m²



ULTRA-SERIES LG IPS LCD Performance

- Super-Bright IPS Display – 700+ NITS for exceptional clarity
- RS232 Remote Control
- IP Web Managment
- 4K Video Processing Board – Supports UHD 4K + 2K for advanced applications monitor built for advacned applications
- Ambiant Light sensor
- Remote
- OSD Buttons with LED indicator

Touch System Performance

- TRU-Flat Zero Bezel IP65 rated 10-Point High-Performance Multi-Touch System (Unlimited Touch Activations
- Anti-Fingerprint Nano Coating
- USB HID compliant no calibration (USB B-A) Plug & Play
- Industry Leading Touch 5ms Response

LCD Panel Specifications

Viewable Image Size	65"/ 16:9
Native Resolution	**UHD** 3840 x 2160 @ 60 Hz
Contrast Ratio	1000:1
TRU-Brightness	700+ cd/m²
Viewing Angle	178° Vert., 178° Hor.
Color	1.07B
Response Time	(G/G) 14 ms
Input Connections	2x DisplayPort, 2x HDMI 2.0-HDCP, 2x, 1x DVI-I, 4x USB A 2.0 (1xTouch, 1x FW upgrade, 2x downstream), RJ45, & RS232
Audio In/ Out	2x 3.5mm
Internal Speakers	Built-in 5 watt speakers
Power	AC 100-240V 50/60H
Dimensions (WxHxD)	
Net	58.75" x 34.125" x 3.1"
Monitor Weight	125.5 lbs.
Package	148.4 lbs.
VESA Specification	400 x 400mm
Warranty	2 Year

TOUCHSCREEN GURU
FOR A BETTER DISPLAY

PN# 65UHDNANOAVIPTSG
SXQ2810T3

User Guide

65” UHD touch monitor

PN# 65UHDNANOAVIPTSG

AV Board Model: SXQ2810T3

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Safety Instructions

△ **CAUTION: Use of controls, adjustments, or procedures other than those specified in this document may r**

esult in exposure to shock, electrical hazards, and/or mechanical hazards.

• Carefully place the monitor on a solid surface. The screen is fragile and may be damaged if it is dropped or receives a strong impact.

• Be sure to confirm the monitor's power distribution requirements to ensure that the device can operate properly with the AC power in your location.

• Keep the monitor in an environment with room temperature. Extremely cold or hot environments may have an adverse effect on the liquid crystal of the monitor.

• Do not place the monitor in an environment where it may be subjected to severe vibration or impact. For example, do not place the monitor in the trunk of a car.

• If the monitor will be unused for a long time, unplug it from the power cord.

• To avoid electric shock, do not attempt to remove any covers or directly touch the inside of the monitor.

About Your Monitor

What's in the Box

Your monitor comes with the following components. Please confirm that all items are complete. If anything is missing, please contact the relevant supplier or sales channel

NOTE: Some items may be optional and not included in your monitor when it ships from the factory. Some features may not be available in certain countries/regions.

What's in the Box	Description
	Monitor
	Remote Control & Batteries (AAA x 2)
	Power Cable (Varies by country/region)
	USB 2.0 upstream cable (enables the USB ports on the monitor)
	DP cable (DP to DP)
	HDMI cable （HDMI to HDMI）

Product Features

The **SXQ2810T3** display features an active matrix, thin-film transistor (TFT), liquid crystal display (LCD) and LED backlight. Display features include:

• The display features a 65-inch active area (measured diagonally, approximately 165.1 cm), with a resolution of 3840 × 2160 pixels and a 16:9 aspect ratio. It supports full-screen scaling for lower resolutions.

• Compliant with VESA™ mounting interface standard, 400 × 400 mm hole pattern

• Built-in speakers (2 x 10 W).

• Plug and play capability (requires system support).

• On-Screen Display (OSD) adjustments allow for easy setup and optimization of the screen.

• Support asset management capabilities

• Arsenic-free glass and mercury-free panels

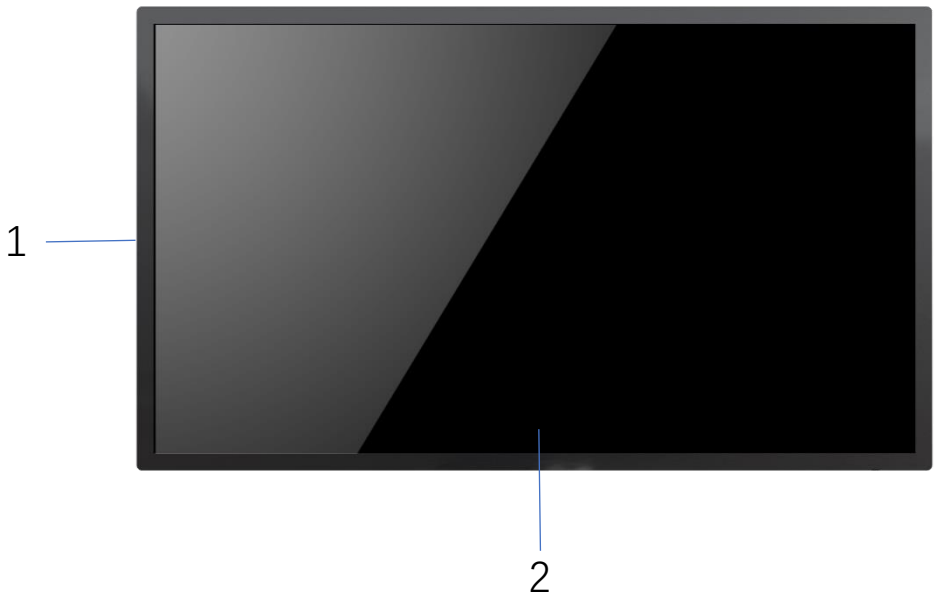
• When in sleep mode, standby power consumption is 0.5 watts.

• Supports up to 20-point multi-touch and active pen input simultaneously.

• WLED backlight with 50,000-hour lifetime

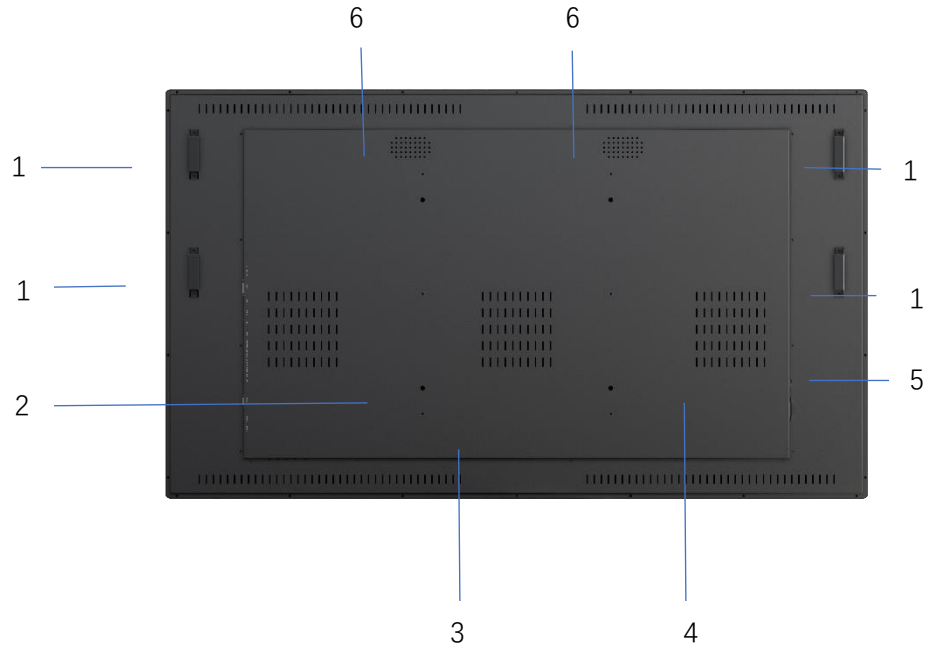
Identifying Components and Controls

Front View



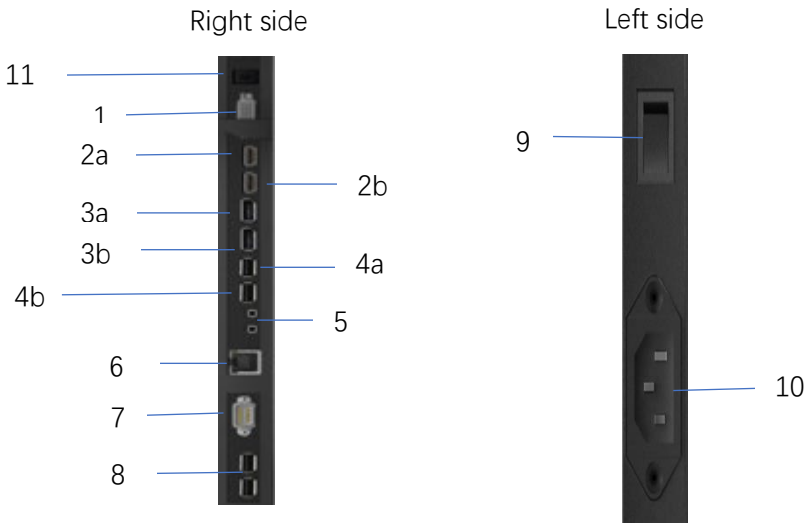
Label	Describe
1	Concave aluminum bezel
2	AF-coated PCAP touch screen

Rear View



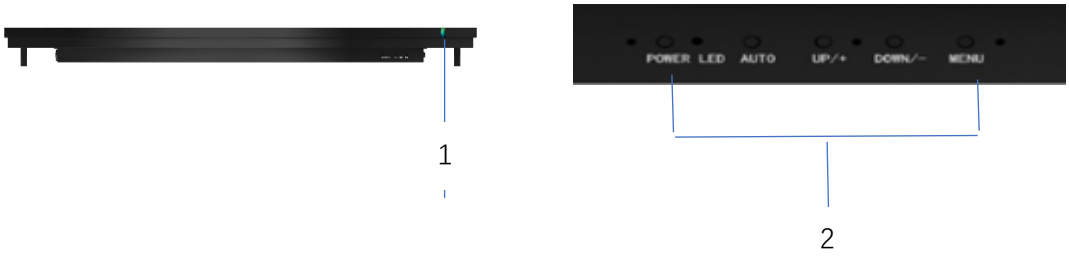
Label	describe	Uses
1	Handle x 4	For moving the monitor
2	VESA mounting holes (400 x 400 mm)	Installing the Monitor
3	Sub Back Plate	Assisted installation
4	Cooling Holes	Lower operating temperature
5	Main Back Plate	Installation of main components
6	Speaker Holes	Audio Output

Side View



Label	describe	Uses
1	DVI-I	Connect the computer using a DVI-I cable
2a	HDMI 1 port	Connect the computer using an HDMI cable.
2b	HDMI 2 port	
3a	DP 1 port	Connect the computer using a DP cable
3b	DP 2 port	
4a	FW Upgrade	Web update via USB port
4b	USBTOUCH	Connect the USB cable that came with the monitor to your computer. After connecting this cable, you can use the USB downstream connector on the monitor and the monitor's touch screen function.
5	Audio output/input port	Input audio signal to monitor Output audio signal to headphones or speakers
6	RJ-45 port	Remote network management and control of the monitor via RJ-45
7	RS232 port	The monitor can be remotely managed and controlled via RS232.
8	USB2.0 downstream ports (2)	Connect a USB device. This port is only available after you connect a USB cable to the computer and the USB upstream port on the monitor.
9	Power switch	Turn monitor on or off
10	Power cable port	Connect the included power cable to the monitor
11	DC power port	Connect to monitor via 12V/24V adapter

Bottom Overview



Label	describe
1	Light sensor & remote control reception
2	OSD button (5 buttons)

Monitor specifications

Panel size	65 inches
Panel Type	Active Matrix - TFT LCD
Aspect Ratio	16:9 (H:V)
diagonal	165.1 cm
Resolution	3840(RGB)×2160, UHD, 68PPI
Viewing Angle	89/89/89/89 (Min.)(CR≥10)
Working Mode	IPS, normally black display, transmissive
Display Color	1.07B , 68% NTSC
Light source type	WLED, 50K hours
Operating frequency	60Hz
Contrast	1100:1 (Typ.) (TM)
Reaction time	8 (Typ.)(G to G) ms
Connectivity	2 x DP 1.4 2 x HDMI 2.0 2x USB 2.0 1*Audio 1 x Analog 2.0 audio line out (3.5 mm jack) 1 x RJ-45 1 x RS232 1 x DVI-I 1 x DC
Border width (from edge of display to active area)	32.75 mm (1.29 inches) (top/bottom) 32.25 mm (1.27 inches) ((left/right))

Touch

type	GFF (Glass-Film-Film) projected capacitive touch
Input Method	Finger and stylus
interface	Compliant with USB HID specification
Touch Points	Up to 20 touch points
Surface treatment	AF (Anti-Fingerprint) coating

Note: The default number of touch points is 10.

Supported operating systems

operating system	Version	Touch
Windows	7 Pro and Ultimate	20
	8, 8.1	20
	10/11	20
Chrome Operating system	Linux kernel version 3.15 (3.10) or above	20
Android	4.4 (KitKat), Linux kernel 3.15 (3.10) or above	20
Other Linux-based operating systems	Linux kernel 3.15 or above	20
macOS	10.10, 10.11	1 (Mouse)

Note: Linux kernel functionality has been tested on Ubuntu 14.04 and Debian 8. Chrome OS and Android with Linux kernel 3.15 or higher are recommended for functionality.

Mouse emulation in landscape mode. Full multi-touch functionality requires additional drivers to be installed on the host system.

Speaker specifications

Speaker rated power	2 x 10 W
Frequency Response	120 Hz - 20 kHz
impedance	8 Ohm

Electrical specifications

Video input signal	Each differential line has a digital video signal impedance of 100 ohms
Input voltage/frequency/current	100-240 VAC / 50 or 60 Hz ± 3 Hz / 5.5 A (max)
Output voltage/frequency/current	100-240 VAC / 50 or 60 Hz ± 3 Hz / 2.0 A (max)
Surge Current	120 V: 42 A (max), 0 °C (cold start) 240 V: 80 A (max), 0 °C (cold start) Inrush current is measured at an ambient temperature of 0 °C.
Power consumption	0.3 W (off mode) 0.5 W (standby mode) 1.5 W (networked standby mode) 77.1 W (on mode) 320 W (max) 65.15 W (Pon) N/A (TEC)

Note: Maximum brightness and contrast settings, and maximum power loading of all USB ports.

Power consumption in on mode as defined in Energy Star version 8.0. TEC: Total power consumption (kWh) as defined in Energy Star version 8.0

This document reflects laboratory performance and is provided for informational purposes only. Your product may perform differently depending on the software, components, and peripherals ordered, and this information is not always up to date. For this reason, customers should not rely solely on this information when making decisions such as electrical tolerances. The manufacturer makes no express or implied warranties of accuracy or completeness.

Physical properties

Signal cable type (included)	DP, 1.8 m cable HDMI, 1.8 m cable USB, 1.8 m cable Power, 1.8 m cable
Dimensions	
high	869.99 mm (34.25 inches)
width	1493.99 mm (58.82 inches)
thickness	67.8 mm (2.67 inches)
weight	
Weight (including packaging)	67 kg （147.71 lbs）

Environmental characteristics

Comply with standards	
● RoHS compliant. ● BFR / PVC free monitor (excluding external cables). ● Arsenic free glass and mercury free (panel only).	
temperature	
Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
humidity	
Operating humidity	10% - 80% (non-condensing)
Storage humidity	5% - 90% (non-condensing)
elevation	
Operating altitude	5,000 m (16,404 ft) (max)
Storage altitude	12,192 m (40,000 ft) (max)
Heat dissipation	1091.89 BTU/hour (maximum)
	263.08 BTU/hour (typical)

Plug and Play

You can install this monitor in a Plug and Play-capable system. The monitor automatically provides its Extended Display Identification Data (EDID) to the computer system using Display Data Channel (DDC) protocols so the computer can configure itself and optimize the monitor settings. Most monitor installation is automatic; you can select different settings if needed.

LCD Monitor Quality and Pixel Policy

During the LCD display manufacturing process, there are circumstances where one or more pixels may become fixed in an unchanging state, which is difficult to see and does not affect display quality or usability.

Cleaning Your Monitor

⚠ WARNING: Before cleaning the monitor, unplug the monitor power cord from the electrical outlet.

△ CAUTION: Before cleaning the monitor, read and follow the safety instructions.

For optimal cleaning results, follow these instructions when unpacking, cleaning, or transporting the monitor:

● To clean the anti-static screen, lightly dampen a soft, clean cloth with water. If possible, use special screen-cleaning paper or a cleaning fluid suitable for the anti-static coating. Do not use benzene, thinner, ammonia, abrasives, or compressed air to clean the monitor.

● Use a soft cloth lightly dampened with water to clean the monitor. Avoid using any type of cleaning agent as some can leave a milky film on the monitor.

● If you notice white powder when you unpack the monitor, wipe it off with a cloth.

● Handle your monitor with care, as dark-colored monitors may be scratched more easily than light-colored monitors and leave white scuff marks.

● To maintain the best image quality on your monitor, use a dynamically changing screen saver and turn off the monitor when you are not using it.

Connection Monitor

⚠WARNING: Before you begin any of the procedures in this section, see the Safety Instructions.

To connect a monitor to your computer:

1. Turn off the computer.
2. Connect the HDMI/DP/USB cable from the monitor to the computer.
3. Turn on the monitor.
4. The monitor will automatically detect and switch to the correct input source. Simply turn on the computer.

Remote Control

9. ExitPress this button to exit the menu

10 SOURCE

Select input source. Press the Left or Right button to select DVI-I, DP1, DP2, HDMI 1, HDMI 2, press the ENTER button to confirm and exit.

11. PCM

Press this button to select the audio output format, such as PCM mode

12. BL+

Press this button to increase the backlight brightness

13. Volume +

Press this button to quickly increase the volume when not in menu mode.

14.BL-

Press this button to reduce the backlight brightness

15. Volume -

When not in menu mode, press this button to quickly decrease the volume.

16. BR+

Press this button to increase the signal brightness of the screen image. (Affects contrast performance)

17. CN+

Press this button to increase the color saturation

18. BR-

Press this button to reduce the signal brightness of the screen image. (Affects contrast performance)

19. CN-

Press this button to reduce color saturation

20. PIP / INFO

Enables picture-in-picture or shows input source and resolution info (depending on model).

1.Power on/off

Turn this monitor on or off.

2. Mute

Press this button to turn the mute function on/off.

3. Volume +

Press this button to increase the volume.

4. To the left

Press this button to move left in the OSD menu.

5. To the right

Press this button to move right through the OSD menu.

6. Confirm

Confirms an entry or selection.

7. Volume –

Press this button to turn down the volume.

8. menu

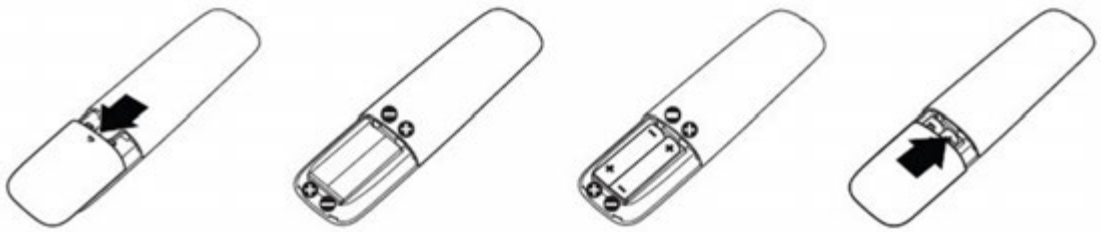
Press this button to open the OSD menu.

Installing the remote control batteries

The remote control is powered by 2 1.5V AAA batteries.

Install or replace the battery:

1. Press and push the battery cover to open
2. Insert the batteries by referring to the (+) and (–) marks inside the battery compartment.
3. Replace the battery cover.



△Reminder: Improper use of batteries may cause leakage or explosion. Be sure to follow the following precautions:

- When inserting "AAA" batteries, align the (+) and (–) marks on each battery with the (+) and (–) marks inside the battery compartment.
- Do not mix battery types.
- Do not mix old and new batteries. Otherwise, the battery life may be shortened or leakage may occur.
- Remove dead batteries immediately to prevent them from leaking in the battery compartment. Do not come into contact with exposed battery acid, as it can cause skin damage.

Note: When the remote control is not used for a long time, the batteries should be removed.

Operate the remote control

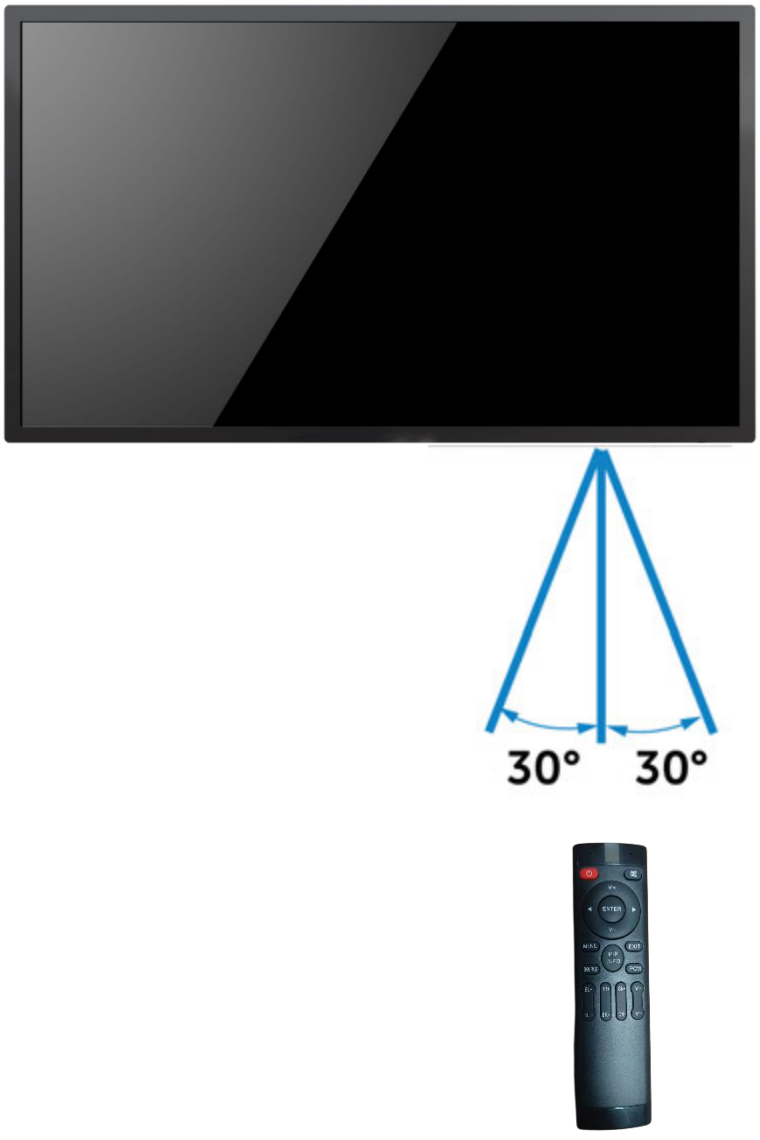
- Avoid strong impact.
- Do not allow water or other liquids to splash on the remote control. If the remote control gets wet, wipe it dry immediately.
- Avoid exposure to heat and steam.
- Do not open the remote control except to install the batteries.

Remote control operating range

During button operation, point the top of the remote control toward the remote control sensor of the LCD monitor.

The remote control can be used within a distance of about 7 m from the remote control sensor, and within a horizontal and vertical angle of 30° within a distance of about 7 m

NOTE: The remote control may not work properly when the monitor's remote control sensor is exposed to direct sunlight or strong light, or when there are obstacles in the signal transmission path.



Operation Monitor

Turn on the monitor

Press the power button to turn the monitor on and off. The blue LED indicates the monitor is on and working properly. The red LED indicates it is in DPMS power saving mode

Using OSD Buttons

The buttons on the bottom right side of the monitor can be used to adjust characteristics of the image being displayed. As these buttons are used to adjust a control, an OSD appears showing the value of the characteristic they change.

The following table introduces the OSD button functions:

OSD Buttons	describe
POWER	The monitor has a main power switch and a power button. It powers on automatically when the rocker switch is turned on. Use the power button to enter standby or turn off the display.
LED	The blue LED indicates the monitor is on and working properly. The red LED indicates it is in DPMS power saving mode
AUTO	Auto screen adjustment (VGA only); acts as Back in OSD menu
UP/+ & DOWN/−	Navigate menu or adjust settings
MENU	Open OSD menu / Confirm selection

Using the On-Screen Display (OSD) menu

Using the Menu System

NOTE: Changes made using the OSD menu are automatically saved once you move to another OSD menu, exit the OSD menu, or wait for the OSD menu to disappear.

1.Press the Menu button to launch the OSD menu.

1. Display Mode

This menu allows you to select how multiple input sources are displayed on the screen.

Navigate to Display Mode in the OSD (On-Screen Display) and choose from the following options:

Mode	Description
1P	Default single-screen display mode. Only one input source is shown.
2P LR	Dual-screen, side-by-side layout. Input 1 on the left, Input 2 on the right.
2P TB	Dual-screen, top-bottom layout. Input 1 on top, Input 2 on bottom
2P PIP	Picture-in-Picture mode. Input 2 appears in a smaller overlay window on top of Input 1.

2. Display Function

Under Display Function, you can configure advanced settings for each display mode:

Mode	Description
1P (Single Display Mode)	Display Rotation: Rotate the image. Options: 0° (Default), 90°, 180°, 270°
2PLR/2PTB (Split Screen Modes)	Input Swap: Switch the input sources between left/right (LR) or top/bottom (TB).
2PPIP (Picture-in-Picture Mode)	PIP Position: Choose where the inset window appears:

	Top-left, Top-right, Bottom-left, Bottom-right (Default)
PIPTransparency:Adjustthe transparency of the PIP window.	Range: 0 (opaque) to 10 (most transparent), Default: 0
PIP Size: Resize the PIP window.	Range: 0 (smallest) to 10 (largest), Default: 10
Input Swap	Switch main and PIP sources.
Disp Rotate	Rotate the screen (same as above).
Latency	Toggle low-latency mode for faster response, ideal for gaming
Freeze	Freezes the current screen image

3. Select Region

The Select Region menu allows users to specify which part of the screen is used to display a selected input source. This function is primarily used in Split Screen (e.g., 2P LR, 2P TB) and Picture-in-Picture (2P PIP) modes.

Mode	Description
Left Side	Displays the selected input source on the left half of the screen (for 2P LR), or assigns it as the main display in PIP mode
Right Side	Displays the selected input source on the right half of the screen (for 2P LR), or assigns it as the main display in PIP mode.
Full	Displays the input source across the entire screen. This option is only available in 1P mode and is disabled (grayed out) in multi-source modes.

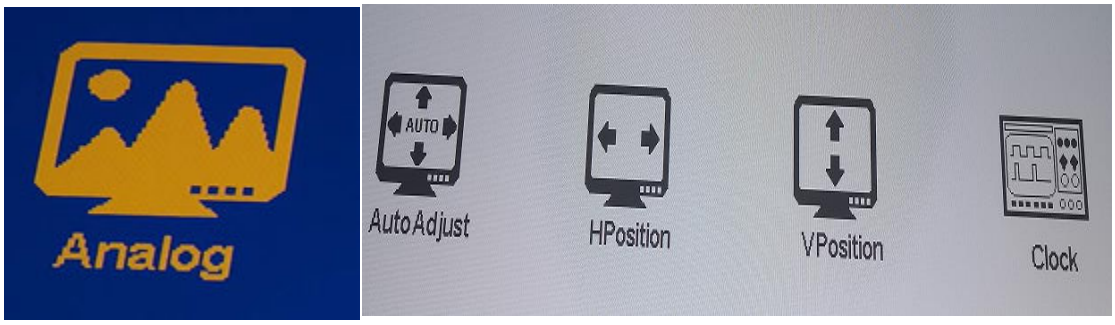
4. Picture Settings

The Picture menu allows users to fine-tune the visual appearance of the display according to personal preferences or environmental lighting conditions. The following options are available:

Mode	Description
Backlight	Adjusts the LED panel backlight intensity. This affects power usage and panel brightness.
Brightness	Controls the luminance level of the image (without changing backlight power
Contrast	Adjusts the difference between light and dark areas.
Sharpness	Controls image detail and edge clarity.

5.Analog

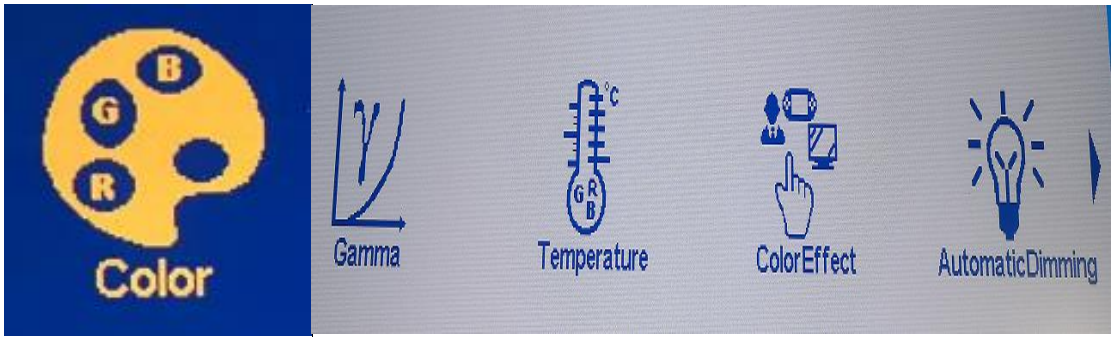
This menu provides fine-tuning options for analog (VGA) input signals, including:



Mode	Description
Auto Adjust	Automatically optimizes the image position, clock, and phase, suitable for first-time VGA connection.
HPosition	Move the image left or right to adjust the horizontal position of the image on the screen.
VPosition	Move the image up or down to adjust the vertical position of the image on the screen.
Clock	Adjust the horizontal frequency to eliminate streaks or ghosting in the image and improve clarity.

6. Color Settings

The Color menu allows users to adjust the display's gamma, color temperature, and color effect modes for optimal visual performance in different environments or use cases.



Mode	Description
Gamma	Adjust the image gamma curve 1.8, 2.0, 2.2, 2.4
Temperature	Set color temperature value: 9300, 7500, 6500 (default), 5800, 3200, sRGB, or user-defined RGB (0–255)
Color Effect	Switch between preset color modes: Standard (default), Game, Movie, Photo, Vivid, or user-defined hue and saturation of each color (Hue/Sat 0–100).
Contrast	Adjusts the contrast between light and dark in the image, ranging from 0–100, with a default value of 50.
Automatic Dimming	Turn on or off the automatic brightness adjustment function based on ambient light

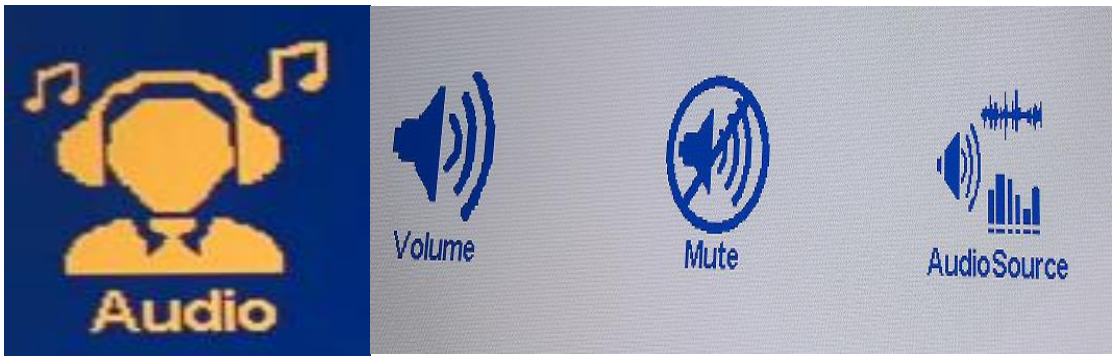
7. Input

Applicable to all display modes: Single screen / Left and right screen / Left and right screen / Picture in picture / Left and right

picture in picture / Left and right picture in picture

Mode	Description
Input Source	Display the current signal input status D0:DP 1.2 D1:DP 1.2 D2:HDMI 2.0 D3:HDMI 2.0 D4:DVI-I double chain
Auto Select	When enabled, the monitor will automatically search and switch to the input source that currently has a signal

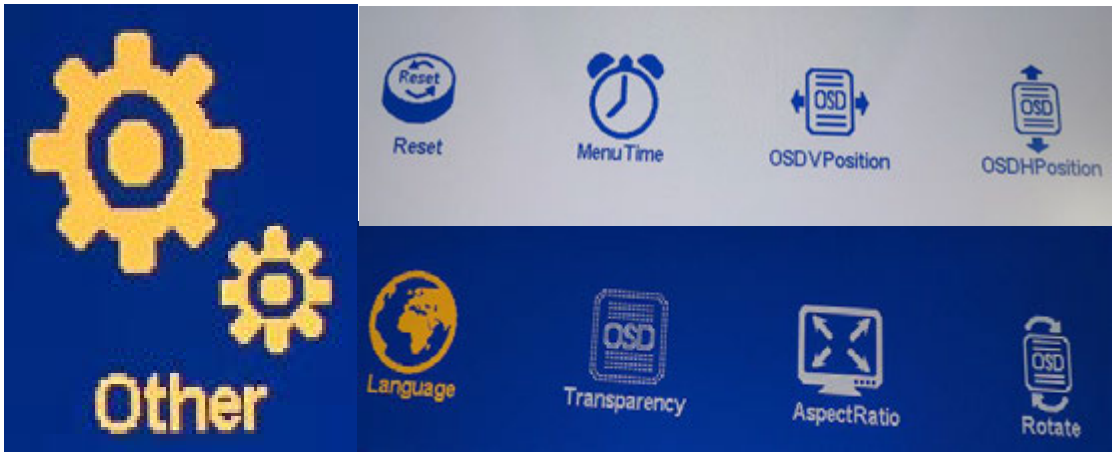
8. Audio



Mode	Description
Volume	Adjust the volume, range 0–100, default value is 50.
Mute	Enable or disable the mute function. The default setting is off.
Audio Source	Single screen (1P) Analog (default): Line input audio Digital (region 1): Digital audio signal from the main screen 2P LR (left and right split screen) Digital region 1: left audio Digital region 2: right audio

	2P TB (upper and lower split screen) Digital region 1: upper audio Digital region 2: lower audio 2P PIP (sub-picture) Can select main picture or sub-picture audio source independently Four-screen mode (4P) Digital region 1: Main screen Digital region 2: Sub-screen Digital region 1–4: Audio signals in the upper left, upper right, lower left, and lower right regions respectively

9.Other



Mode	Description
Reset	Restore all settings to factory defaults.
Menu Time	Sets the duration of the menu display, range 10–60 seconds, default 30 seconds.
OSDHPosition	Adjust the horizontal position of the on-screen menu, ranging from 0–100, with a default value of 50.
OSDVPosition	Adjust the vertical position of the on-screen menu, ranging from 0–100, with a default value of 50.
Transparency	Adjusts the transparency of the menu, from 0–255, with a default of 0 (opaque).
Rotate	Rotate the menu display direction: 0° (default) 90° 180° 270°
Language	Support Chinese, English, French, German, Russian, Japanese, Spanish, Italian and other languages

Aspect Ratio	Set the display ratio of the menu, such as 4:3, 5:4, 16:9

10. Information

This menu provides the operating status and device information of the display for users to query and diagnose:

Mode	Description
Input signal	Display the current input interface and resolution
IP Address	The IP address of the current device (if connected to the Internet)
Startup Duration	Cumulative power-on time. For example, 1 Hour means the monitor has been used for 1 hour.
Temp	Current system temperature, for example 20°C, as measured by the sensor on the bac
Backlight Illumination	Current backlight illumination
Ambient Light	Current ambient light intensity (unit: Lx)
Model	Monitor model, for example SXQ2810T3
SW Version	Software version number, for example RTKUHD60

Monitor Web Management

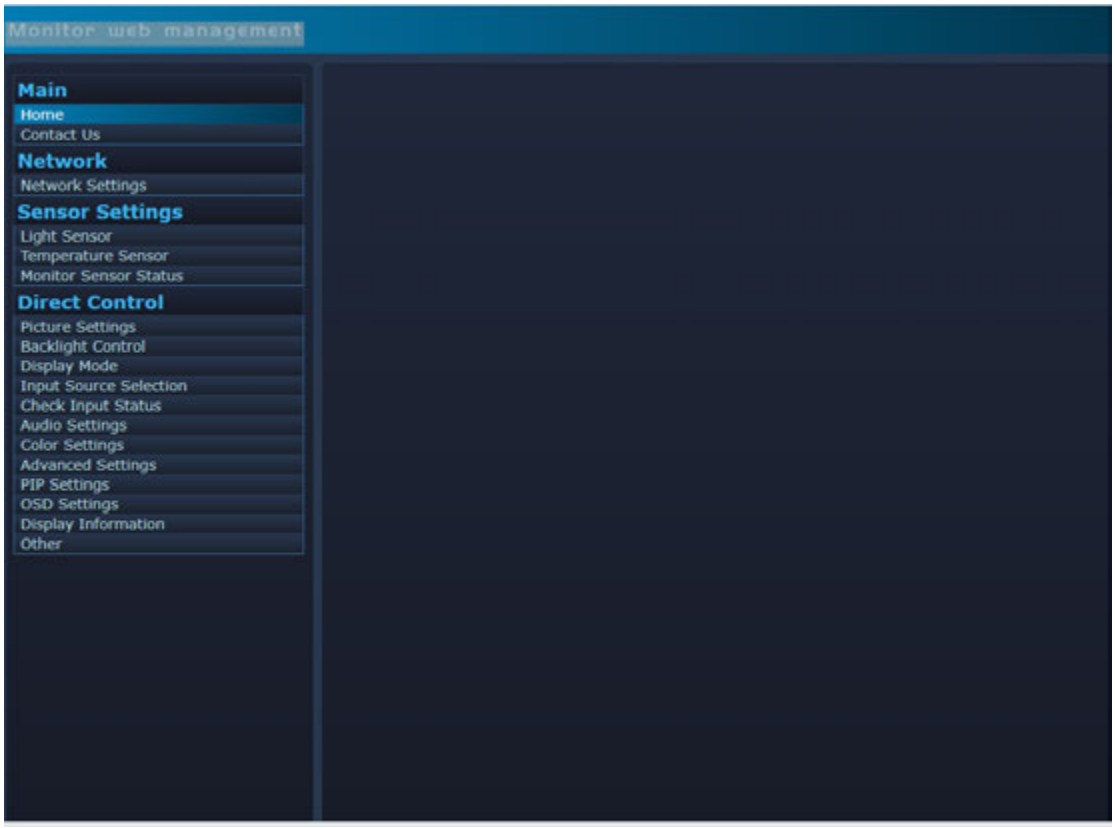
Before accessing the monitor's Web management functions, ensure that Ethernet is functioning properly.

1. Press the Menu button on the remote control or navigate to OSD Menu > Information to display the IP address of this monitor.

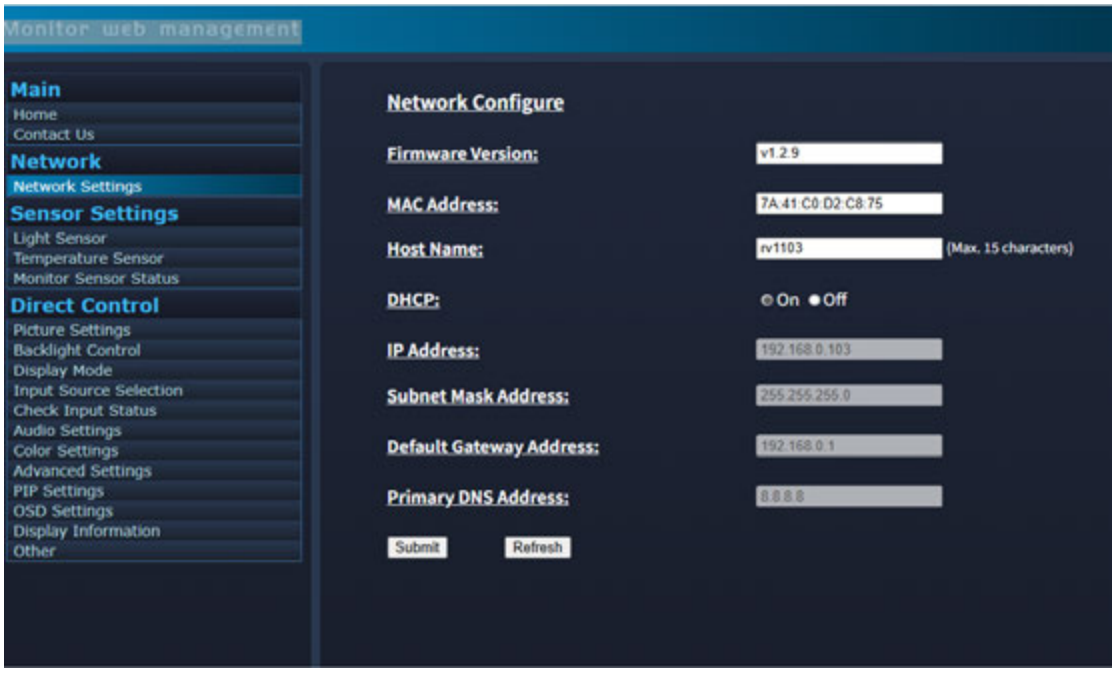
To access and use the Web Administration Tool, follow these steps:

Open a web browser and type the monitor's IP address in the address bar (eg: 192.168.0.105).

2. Main page opens



3. Click the Network Settings tab to view the network settings.



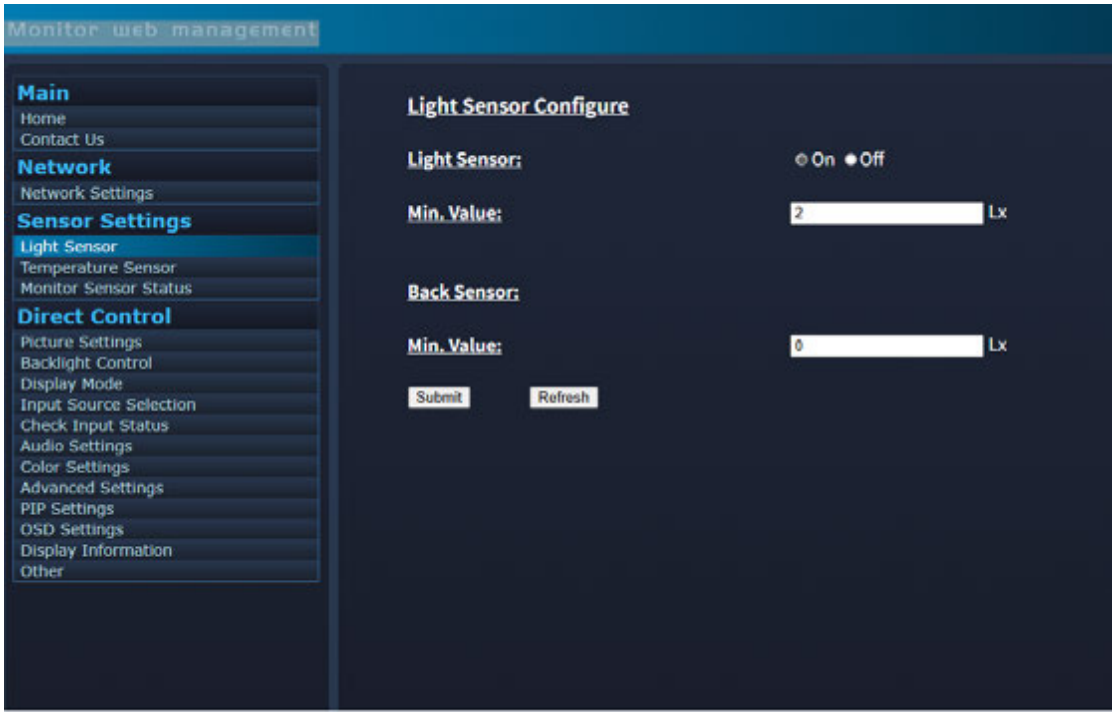
Note: If DHCP is enabled, fields such as IP address will become read-only. This page is suitable for network administrators to configure the remote management function of the display. If you need to cooperate with the server or control system, please set the static parameters according to the IT network specifications.

◆ Operation Instructions

- After modifying the parameters, click Submit to save the settings.
- Click Refresh to reload the current network configuration status

4. Light Sensor Configure

This page is used to configure the monitor's ambient light sensor and backlight adjustment functions.



● Switch (On / Off)

After turning it on, the system will automatically adjust the backlight brightness according to the ambient light brightness to adapt to different usage environments.

●Min. Value (minimum trigger value)

Set the minimum threshold of ambient light illumination to trigger backlight adjustment, in lux (Lx). For example, if it is set to 2 Lx, it means that adjustment is triggered when the ambient brightness is lower than 2 lux.

🚫 Back Sensor

The current system has no rear sensor. This item has no actual function and is only displayed as a reserved item.

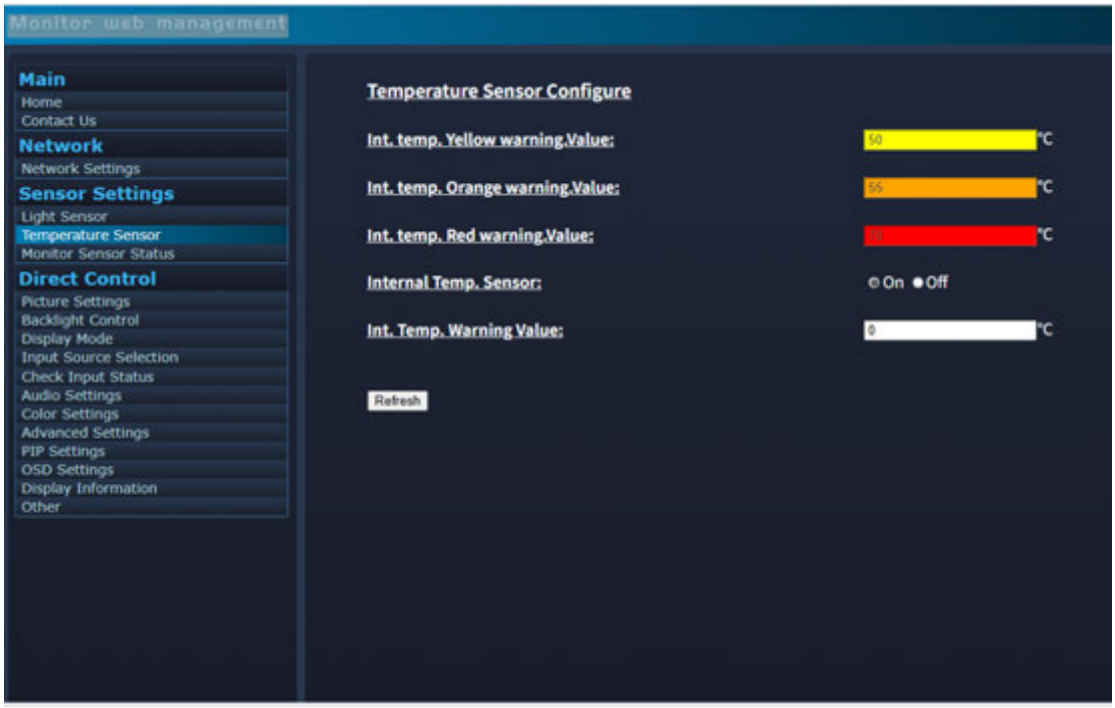
●Operation Instructions

Submit: Save the settings and make them effective immediately

Refresh: Refresh the current page to obtain the latest sensor parameter status

4. Temperature Sensor Configure

This page is used to set the display's internal temperature monitoring and alarm thresholds to ensure the device operates within a safe temperature range.



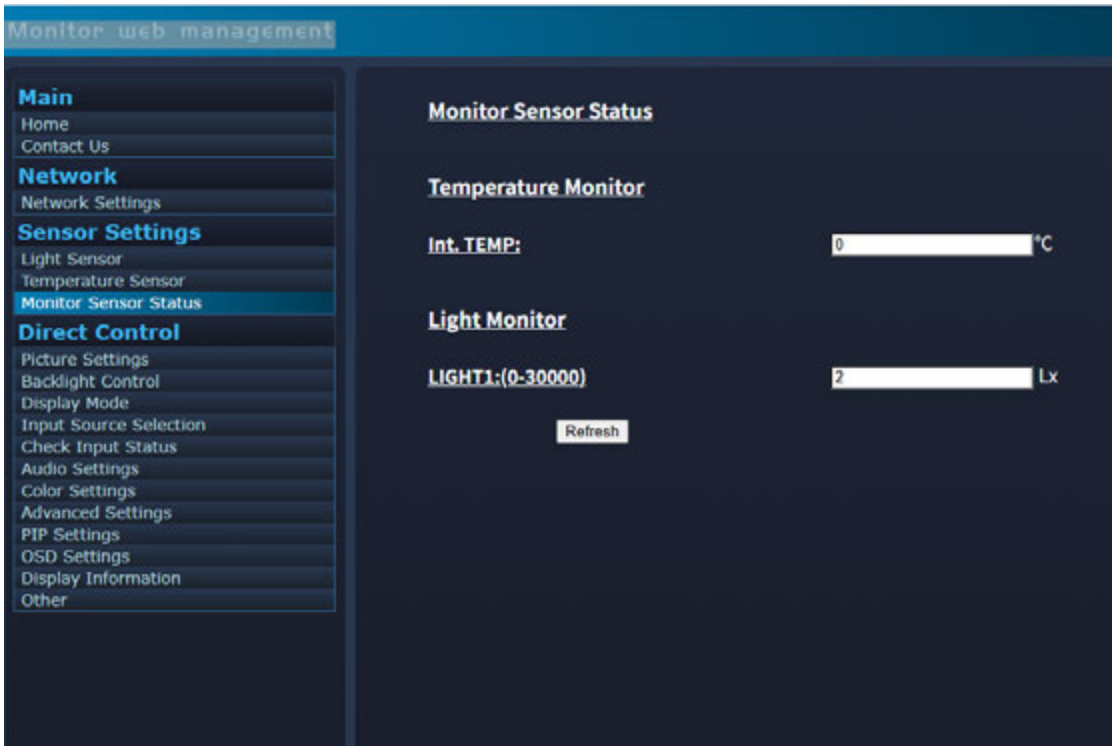
project	illustrate
Int. temp. Yellow warning Value	Yellow warning threshold, default: 50°C, used to warn of high temperatures
Int. temp. Orange warning Value	Orange warning threshold, default: 55 ° C, indicating that the temperature is approaching the dangerous range
Int. temp. Red warning Value	Red warning threshold, default: 70°C, the temperature is too high, it is recommended to cool down immediately.
Internal Temp. Sensor	On: Enables temperature sensor monitoring and activates the alarm function. Off: Turn off the temperature monitoring function (not recommended)
Int. Temp. Warning Value	If the three-color warning is not used, a separate temperature value can be set as the alarm reference.

●Instructions

Refresh: Refresh the page and read the current sensor settings and status.

5. Monitor Sensor Status

This page is used to view the current values of the monitor's built-in sensors in real time, helping users monitor the environment and device temperature status.



project	illustrate
Int. TEMP	Displays the real-time temperature value read by the internal temperature sensor (unit: °C). Example: 0°C means the current temperature is 0 degrees Celsius. If the temperature alarm function is turned on, this value will be used as the basis for determining whether the alarm is triggered.
LIGHT1	Displays the real-time illuminance value of the front ambient light sensor in lux (Lx) with a range of 0–30000 Lx. Example: 2 Lx means a dark environment.

Note: This page is a read-only monitoring interface, suitable for debugging, running status viewing or troubleshooting. It is recommended to use it with the "Light Sensor" and "Temperature Sensor" pages for linkage setting management.

●Instructions

Refresh: Click to manually refresh the sensor status to obtain the latest data.

6. Picture Settings

This page is used to remotely adjust the image quality parameters of the monitor to optimize the visual effect.

project	illustrate
Brightness	Controls the overall brightness of the image. The higher the value, the brighter the image. The default range is usually 0–255.
Contrast	Adjust the difference between light and dark in the image to enhance the sense of depth. The higher the contrast, the brighter the image.
Saturation	Controls color density. Higher values result in brighter colors, lower values result in grayer colors.
Sharpness	Enhance the image edge definition to make the image clearer.
Hue	Change the overall hue tendency of the image (such as reddish, greenish, etc.).

●Instructions

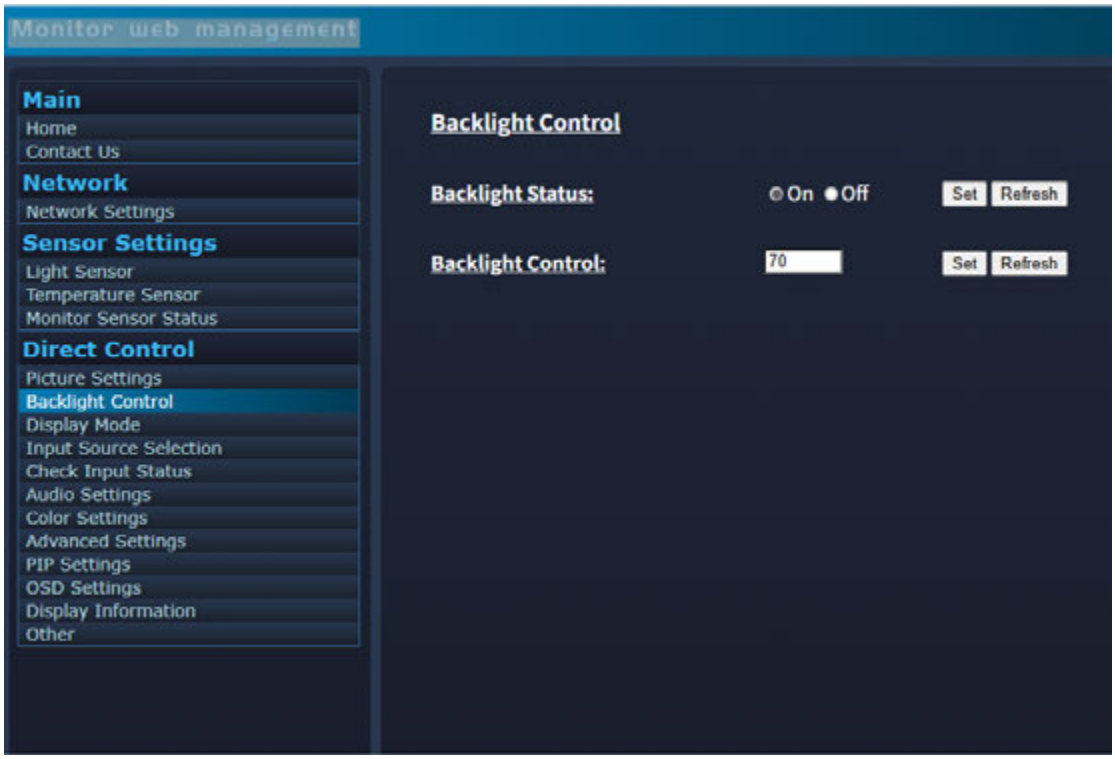
Enter a value in the input box after each item (such as: 128, 50, etc.).

Click Set to apply the changes.

Click Refresh to get the current actual value.

7. Backlight Control

This page is used to remotely manage the monitor backlight's enabled status and brightness level to suit display requirements in different environments.



project	illustrate
Backlight Status	On / Off: Turn the backlight on or off On: Turn on the backlight and display the image normally. Off: Turns off the backlight, the screen becomes dim but the system remains on (suitable for standby or energy saving mode).
Backlight Control	Set the backlight brightness value (common ranges are 0–255 or 0–100) The higher the value, the brighter the screen. Example: The current setting is 70, which means the brightness is above average.

⚠ Note: This relationship is affected by the monitor model, panel efficiency, LED quality and driving method. "70" on different models of devices does not represent the same brightness value (nits).

●Instructions

Click Set to apply the changes.

Click Refresh to get the current actual value.

8. Display Mode

This page is used to set the display mode of the monitor. You can choose single screen or picture-in-picture (PIP) to present multiple signal sources.

project	illustrate
1P (single screen)	Displays only the primary source (P1) full screen, suitable for general display pu
PIP (Picture in Picture)	Display two signal sources at the same time, with P1 as the main screen and P2asthesmallwindow. It is suitable for multi-source monitoring, demonstration and other scenarios.

💡 Tips: If PIP mode is enabled, it is recommended to use the PIP Settings page to adjust the sub-screen position and size for the best viewing experience.

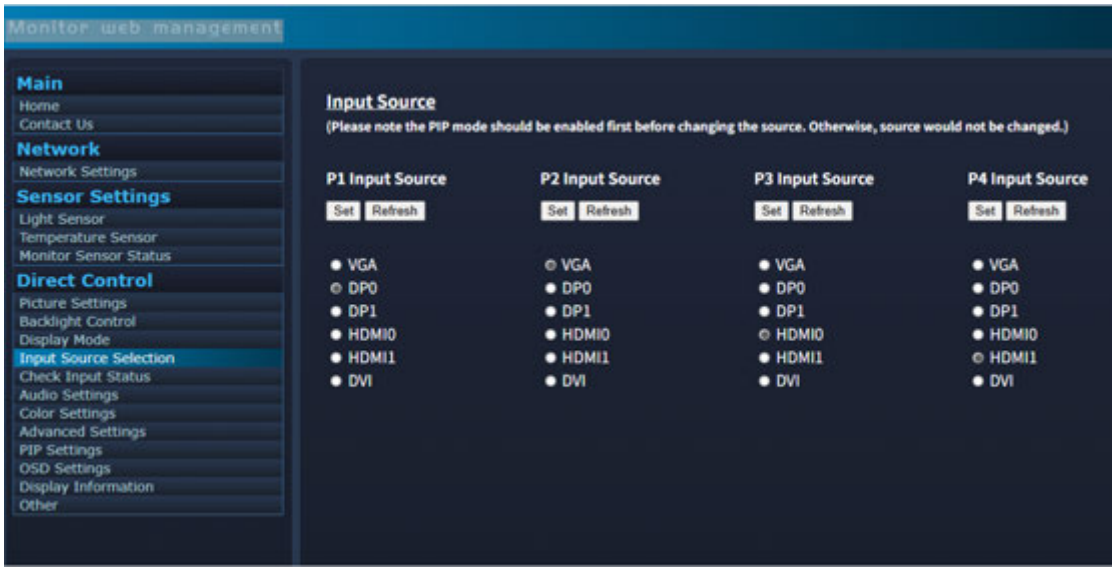
●Instructions

Click Set to apply the changes.

Click Refresh to get the current actual value.

9. Input Source Selection

This page is used to manually select the video signal input interface for different picture areas (P1~P4).



project	illustrate
Input interface options	VGA: Analog video input DP0 / DP1: DisplayPort input interface HDMI0 / HDMI1: Digital high-definition input (supports video + audio) DVI: Digital video input (without audio)
Input Source Selection	P1 Input Source: Set the main screen input source P2 Input Source: Set the second picture input source (for PIP or 2P) P3 Input Source: Set the third picture input source (for 3P or 4P) P4 Input Source: Set the fourth picture input source (for 4P)

💡 Notes: If multi-picture modes such as PIP, 2P, and 4P are enabled, please switch to the corresponding display mode in Display Mode first, and then change the input source; otherwise, the switch will be invalid.

●Instructions

Click Set to apply the changes.

Click Refresh to get the current actual value.

10. Check Input Source Status

This page is used to check in real time whether each screen area (P1 ~ P4) currently has video signal input, which is convenient for troubleshooting signal problems or confirming the device connection status.

Status Item	Functional Description
P1 ~ P4 Input Source	Indicates the signal source status of the 1st to 4th screen areas respectively (applicable to multi-screen or PIP mode).
Invalid	There is no input from the current signal source (for example, the signal cable is not connected, the device is not turned on, or there is no signal output).
VGA / DP0 / DP1 / HDMI0 / HDMI1 / DVI	Indicates that an interface has detected a valid signal.

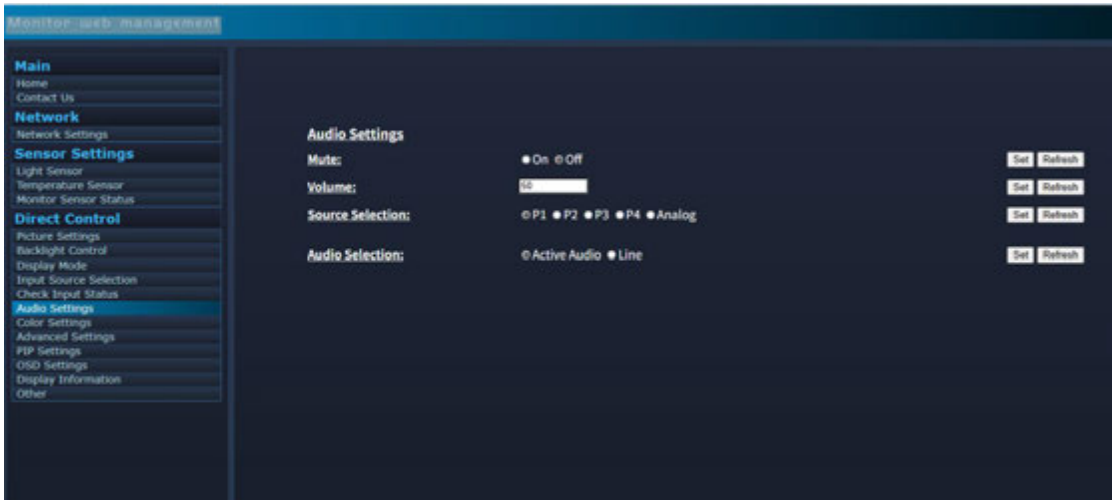
💡 Notes: If you are using the multi-screen function (such as 2P, 4P, PIP), it is recommended that you first confirm whether the signal source is valid on this page, and then perform screen layout and signal switching operations.

●Instructions

Click the Refresh button to refresh the current page to get the real-time status of each input source.

11.. Audio Settings

This page is used to adjust the monitor's volume, mute status, and audio input source. It is suitable for multi-signal source and multi-screen application scenarios.



project	illustrate
Mute	On: Mute is turned on and all audio outputs are turned off. Off: Disable mute and enable audio output
Volume	Sets the volume output level from 0–100. Example value 50 represents medium volume.
Source Selection	P1 / P2 / P3 / P4: Select the audio signal from each screen (main or sub screen) Analog: Select analog audio input (such as 3.5mm Line-in) as the output source.
Audio Selection	Audio: Automatically determine the audio output based on the current active screen or main screen. Line: Force the use of analog line input (LINE IN) as the output audio source.

💡 Notes :It is recommended to use "Display Mode" together with "Input Source" to ensure the logical consistency of the image and audio source and avoid silent or wrong sound issues.

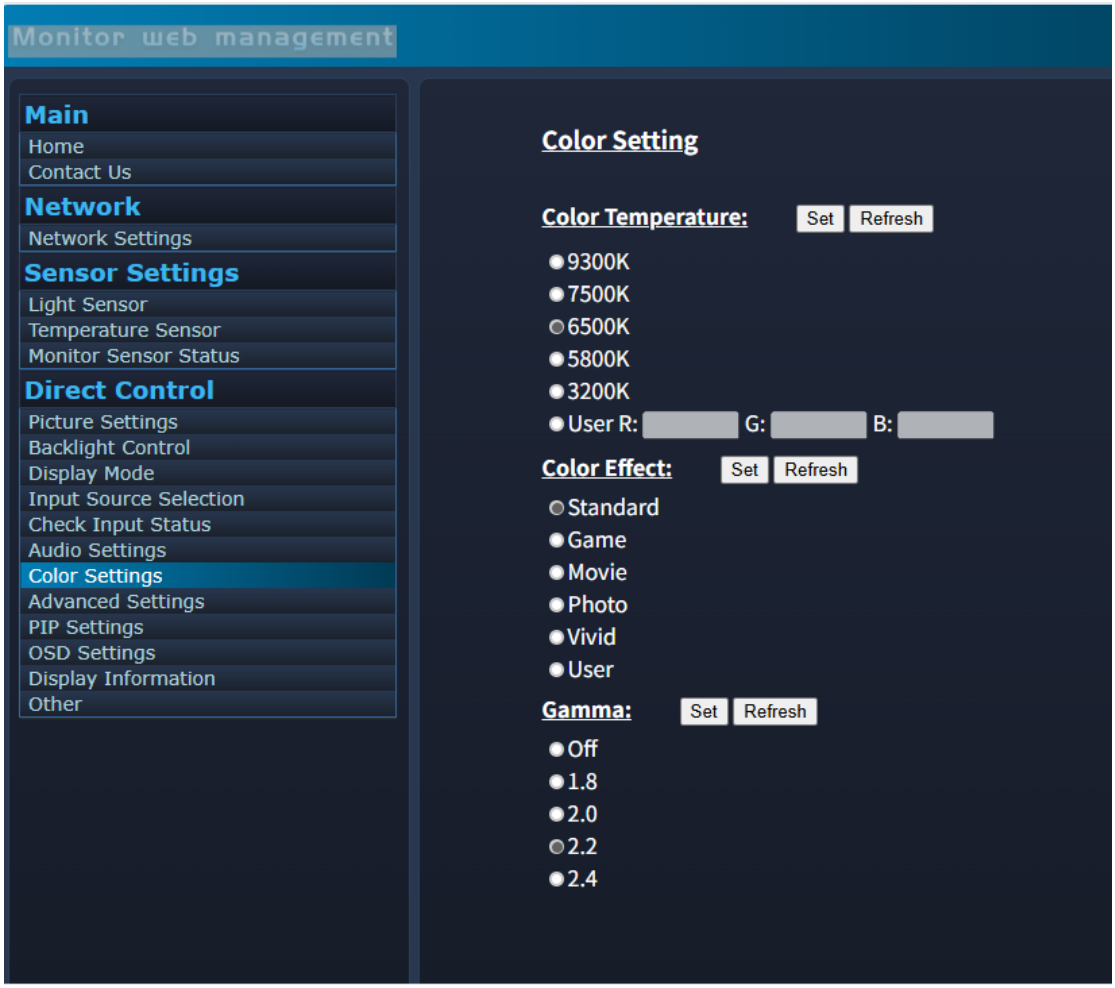
●Instructions

Click Set to apply the changes.

Click Refresh to get the current actual value.

12. **Color Settings**

This page is used to adjust the monitor's color temperature, color effects and gamma value to meet different usage environments and viewing preferences.



project	illustrate
Color Temperature	9300K: Cooler, with a bluish-white tint, suitable for text viewing. 7500K: Slightly cooler, with a bluish tint 6500K: Neutral standard color temperature (default). 5800K: Slightly warmer, with a yellowish tint. 3200K: Warmer, suitable for video viewing. User R/G/B: Custom color temperature, allowing you to adjust the red, green, and blue values independently (0–255).
Color Effect	Standard: Standard mode, suitable for daily use Game: Enhanced contrast and saturation, suitable for games Movie: Soft colors, suitable for watching videos Photo: High-fidelity colors, suitable for image processing Vivid: Vivid mode, more intense colors User: User-defined settings
Gamma	Off Turn off gamma adjustment 1.8 The image is brighter 2.0 Moderately bright 2.2 Standard value (recommended) 2.4 The image is darker and has a strong contrast

💡 Notes : All settings must be clicked Set to take effect, and click Refresh to view the current real-time status. It is recommended to adjust together with the "Picture Settings" and "Backlight Control" pages to obtain the best visual effect.

●Instructions

Click Set to apply the changes.

Click Refresh to get the current actual va

13. Advanced Setting

This page provides adjustment functions for the display ratio (screen stretch) and screen orientation (rotation), suitable for different installation or application scenarios.

Options	illustrate
Aspect Ratio	Full ： The image fills the entire screen and may be stretched and deformed 16:9 ： Standard widescreen ratio, suitable for most modern display content 4:3： Traditional display ratio, suitable for old equipment or monitoring systems 5:4： Nearly square, used in some industrial applications 1:1 ： Completely square screen display
Display Orientation	Normal ： Standard horizontal screen display (default) Anti-Clockwise 90 ： Rotate 90° counterclockwise Rotate 180 ： Rotate 180° clockwise or counterclockwise (upside down) Anti-Clockwise 270： Rotate 270° counterclockwise

●Instructions

After the settings are completed, click Set. To refresh the status, click Refresh.

14. PIP Settings

The PIP (Picture in Picture) function allows you to display a small picture of another signal source in the main picture. This page is used to adjust the display mode, size and position of PIP.

Options	illustrate
Swap	Click Set to swap the main screen and PIP sub-screen contents.
PIP Size	Use the drop-down menu to select the PIP sub-image display size (the unit is a preset ratio level, such as 10, 20, 30...).
PIP H Position	Set the horizontal position of the PIP sub-image on the screen. The value range is generally 0-100. The larger the value, the closer the sub-image is to the right; the smaller the value, the closer it is to the left.
PIP V Position	Set the vertical position of the PIP sub-image on the screen. The value range is generally 0-100. The larger the value, the lower the sub-screen will be; the smaller the value, the higher the sub-screen will be.

●Operation Instructions

After modification, please click the Set button on the right side of each item to save and apply the settings.

Click Refresh to synchronize the real-time values in the current system.

15. Display Information

This page is used to view the current operating parameters and system status of the display, helping users to debug, troubleshoot and identify information.

Parameter name	illustrate
BIOS Version	Displays the current firmware version number (such as 2797) for version identification and update management.
Horizontal Resolution	Horizontal resolution (e.g. 3840) in pixels
Vertical Resolution	Vertical resolution (e.g., 2160) in pixels.
Horizontal Frequency (100Hz)	Horizontal scan frequency (e.g. 1333) in units of 100Hz, e.g. 133.3kHz.
Vertical Frequency (Hz)	Vertical refresh rate (e.g. 600), in units of 0.1Hz, e.g. 60.0Hz.
EDID Name	Device name, used for EDID identification (e.g., SXQ2810T3), editable. Click Set to save.
IP	The current network IP address of the device (e.g. 192.168.0.103).
Startup Duration (Hour)	Cumulative power-on time (e.g. 1), unit: hours.
Equipment Temperature	Current device temperature (e.g. 0), in degrees Celsius.
Backlight Illumination	Current backlight brightness reading (e.g. 2), unit: Lux.

●Instructions

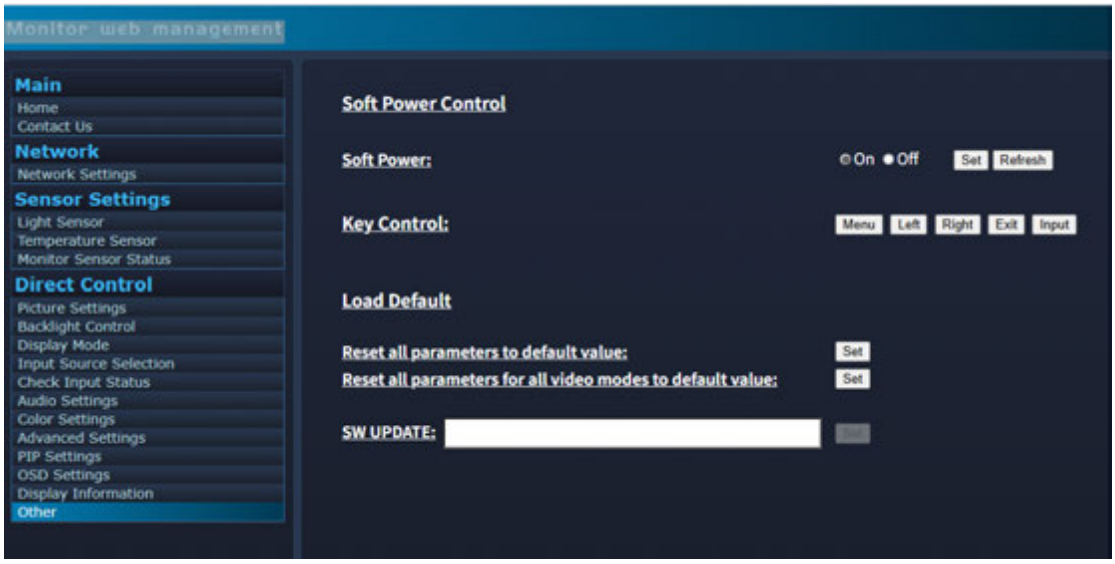
Click Refresh to manually refresh the corresponding project and obtain the latest system status in real time.

After modifying the EDID Name, please click Set to apply the changes.

16. Other

This page is mainly used for the display's soft power control, key control, factory parameter reset, and firmware update operations.

It is an advanced function panel for system debugging and maintenance.



Parameter name	illustrate
Soft Power Control	Soft Power：Used to turn on or off the "soft power" function (remotely control whether the display is powered) After selecting On or Off, click Set to apply, or click Refresh to refresh the status.
Key Control	Menu: Open the on-screen menu Left / Right: Left and right navigation in the menu Exit: Exit menu Input: Switch input source
Load Default	Reset all parameters to default value：Restore all settings to factory defaults (including volume, brightness, color, etc.) Click the Set button on the right to execute
	Reset all parameters for all video modes to default value：Restore all video mode parameters (such as settings under different resolutions) to default. Click Set on the right to execute.
SW UPDATE	Used to remotely upgrade the monitor firmware. Enter the path or name of the firmware update package in the input box, then click Set to start the update.

●Recommendations

It is not recommended for non-professionals to perform "reset" or "update" operations at will to prevent setting loss or device abnormality.

If the remote control button does not respond, please check the device connection status

troubleshooting

⚠ WARNING: Before you begin any of the steps in this section, follow the Safety Instructions

Self-Test

If the monitor and computer are properly connected but the monitor screen remains dark, run the monitor self-test by performing the following steps:

1. Turn off the computer and the monitor.

2. Unplug the video cable from the back of the computer. To ensure that the self-test runs correctly, unplug all digital and analog cables from the back of the computer.

3. Turn on the monitor

If the monitor cannot detect a video signal but is functioning normally, a floating dialog box will appear (against a black background). While in self-test mode, the power LED remains blue. Additionally, depending on the selected input, one of the dialog boxes shown below will appear on the screen.

4. This dialog box may also appear during normal system operation if the video cable is disconnected or damaged.

5. Turn off the monitor, reconnect the video cable, and then turn on both the computer and the monitor.

If the monitor screen remains dark, the monitor is functioning properly, check the video controller and the computer.

Frequently asked questions

The following table contains general information and possible solutions for common monitor problems you might encounter:

Common phenomena	The problem you are experiencing	Possible solutions
No video/power LED off	No picture	• Makesurethe video cable between the monitorandcomputerisproperly connected and secure. • Verify that the power outlet is working properlybyusinganotherelectrical device. • Makesurethe power button is pressed

		fully down. • Make sure the correct input source is selected in the Input Source menu.
No video/power LED off	No picture or no brightness	•Performmonitorself-test feature check. • Check for bent or broken pins in the video cable connector. • Run the built-in diagnostics. • Ensure that the correct input source is selected in the Input Source menu.
Poor Focus	Blurry image or ghosting	• Do not use a video extension cable. • Reset the monitor to factory settings. • Change the video resolution to the correct aspect ratio.
Video Flicker / Unstable Image	Image flickers or slightly shifts	• Reset the monitor to factory settings. • Check environmental factors. • Relocate the monitor and test it in another room.
Pixel Missing	Black spots on the LCD screen	• Cycle the power cycle. • A permanently off pixel is an inherent defect in LCD technology. • For more information about monitor quality and pixel policy
Bright Pixel	Bright spot on the LCD screen	• Cycle the power cycle. • A permanently off pixel is an inherent defect in LCD technology. • For more information on monitor quality and pixel policy,
Brightness issues	The picture is too dark or too bright	• Reset the monitor to factory settings. • Adjust brightness & contrast via OSD.
Audio issues	No audio	• Check your PC settings to confirm that the playback is selected correctly. • Check other video cables. • Make sure the speakers are enabled via the OSD
Geometric distortion of the image	The screen is not centered correctly.	• Reset the monitor to factory settings.
Synchronization Issues	Scrambled or Tear-Up Screen	• Reset the monitor to factory settings. • Check the video cable connector for bent or broken pins. • Restart the computer in safe mode.
Security-related issues	Smoke or sparks are seen	• Do not perform any troubleshooting steps. • Contact customer support immediately.

Intermittent problems	Display switch malfunction	• Ensure that the video cable between the monitor and computer is properly connected and secure. • Reset the monitor to factory settings.
Missing color	The picture lacks color	• Ensure that the video cable between the monitor and the computer is properly connected and secure. • Check the video cable connector for bent or broken pins.
Incorrect colors	Poor picture color	• Change the preset mode settings in the Color menu of the OSD, depending on the application. • Adjust the R/G/B values in Custom Color in the Color menu of the OSD. • Change the Input Color Format to PC RGB or YCbCr in the Color menu of the OSD.
Image persistence (due to displaying a static image on the monitor for a prolonged period of time)	A faint static image Shadow appears on the screen	• Set your screen to turn off after a few minutes of inactivity. This can be adjusted in Windows Power Options or Mac Energy Saver settings. • Additionally, it's best to use a dynamically changing screen saver.

Touchscreen issues

Specific phenomenon	The problem you are experiencing	Possible solutions
Touch Report Error	The touch function is misaligned or there is no touch function.	• Make sure your computer supports USB 2.0 or higher. • Be sure to connect the source cable and the USB upstream cable according to the correct pairing rules. • If the computer cannot detect the monitor, turn the monitor off/on or unplug and replug the USB cable.
The touch screen is unresponsive in power saving mode.	In power saving mode, the display and computer cannot be woken up by touch.	• Open Device Manager and, under Human Devices, expand HID Interface Devices. • Right-click the HID-compliant device, click Properties, and select the checkbox to allow the device to wake the computer.