



# ROG STRIX XG27UCG

USER GUIDE

First Edition

June 2024

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# Contents

|   |      |
|---|------|
| Notices.....                                      | iv   |
| Safety information .....                          | v    |
| Care & Cleaning .....                             | vii  |
| Takeback Services.....                            | viii |
| Product information for EU energy label.....      | viii |
| <b>Chapter 1: Product introduction</b>            |      |
| 1.1 Welcome! .....                                | 1-1  |
| 1.2 Package contents.....                         | 1-1  |
| 1.3 Monitor introduction .....                    | 1-2  |
| 1.3.1 Front/side view .....                       | 1-2  |
| 1.3.2 Back view .....                             | 1-3  |
| 1.3.3 Other Function(s) .....                     | 1-4  |
| <b>Chapter 2: Setup</b>                           |      |
| 2.1 Assembling the monitor arm/base .....         | 2-1  |
| 2.2 Cable management .....                        | 2-1  |
| 2.3 Adjusting the monitor.....                    | 2-2  |
| 2.4 Detaching the arm (for VESA wall mount) ..... | 2-3  |
| 2.5 Connecting the cables .....                   | 2-4  |
| 2.6 Turning on the monitor.....                   | 2-4  |
| <b>Chapter 3: General instructions</b>            |      |
| 3.1 OSD (On-Screen Display) menu .....            | 3-1  |
| 3.1.1 How to reconfigure.....                     | 3-1  |
| 3.1.2 OSD function introduction.....              | 3-2  |
| 3.2 Aura.....                                     | 3-9  |
| 3.3 Specifications summary.....                   | 3-10 |
| 3.4 Outline dimensions.....                       | 3-12 |
| 3.5 Troubleshooting (FAQ).....                    | 3-13 |
| 3.6 Supported operating mode .....                | 3-14 |

# Notices

## Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

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.



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The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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## Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouiller du Canada.



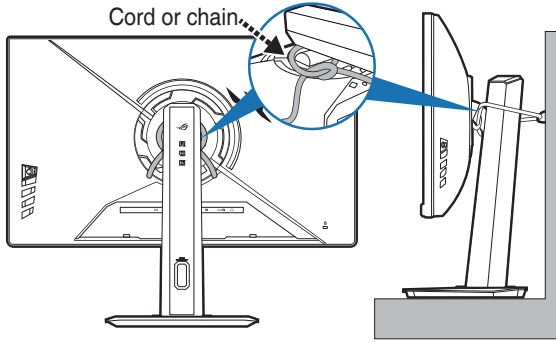
## Safety information

- Before setting up the monitor, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the monitor to rain or moisture.
- Never try to open the monitor cabinet. The dangerous high voltages inside the monitor may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- Avoid dust, humidity, and temperature extremes. Do not place the monitor in any area where it may become wet. Place the monitor on a stable surface.
- Unplug the unit during a lightning storm or if it will not be used for a long period of time. This will protect the monitor from damage due to power surges.
- Never push objects or spill liquid of any kind into the slots on the monitor cabinet.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100-240V AC.
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.
- Adjustment of the volume control as well as the equalizer to other settings than the center position may increase the ear-/headphones output voltage and therefore the sound pressure level.
- The adapter is only used for this monitor, do not use it for other purpose. Your device uses one of the following power supplies:
  - Manufacturer: Delta Electronics Inc., Model: ADP-120VH BC
- Ensure to connect the power cord to a socket-outlet with earthing connection.
- The supplied power adapter and/or power cable are designed to use with the product only. Do not use with other products.

This equipment is not suitable for use in locations where children are likely to be present.

## Prevent Tipping

When using the display, fasten the monitor to a wall using a cord or chain that can support the weight of the monitor in order to prevent the monitor from falling.



- Display design may differ from those illustrated.
- Installing must be done by a qualified technician, and please contact your supplier for more information.
- For the models with net weight  $\geq 7\text{kg}$ . Please select the suitable way to prevent tipping.
- Tie the cord or chain to the stand and then fix it to the wall.



This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Please check local regulations for disposal of electronic products.

**AEEE yönetmeliğine uygundur**

## Care & Cleaning

- Before you lift or reposition your monitor, it is better to disconnect the cables and power cord. Follow the correct lifting techniques when positioning the monitor. When lifting or carrying the monitor, grasp the edges of the monitor. Do not lift the display by the stand or the cord.
- Cleaning. Turn your monitor off and unplug the power cord. Clean the monitor surface with a lint-free, non-abrasive cloth. Stubborn stains may be removed with a cloth dampened with mild cleaner.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the monitor. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

### **The following symptoms are normal with the monitor:**

- The screen may flicker during the initial use due to the nature of the fluorescent light. Turn off the Power Switch and turn it on again to make sure that the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- When the same image is displayed for hours, an afterimage of the previous screen may remain after switching the image. The screen will recover slowly or you can turn off the Power Switch for hours.
- When the screen becomes black or flashes, or cannot work anymore, contact your dealer or service center to fix it. Do not repair the screen by yourself!

## Conventions used in this guide



**WARNING:** Information to prevent injury to yourself when trying to complete a task.



**CAUTION:** Information to prevent damage to the components when trying to complete a task.



**IMPORTANT:** Information that you **MUST** follow to complete a task.



**NOTE:** Tips and additional information to aid in completing a task.

## Where to find more information

Refer to the following sources for additional information and for product and software updates.

### 1. **ASUS websites**

The ASUS websites worldwide provide updated information on ASUS hardware and software products. Refer to <http://www.asus.com>

### 2. **Optional documentation**

Your product package may include optional documentation that may have been added by your dealer. These documents are not part of the standard package.

### 3. **About Flicker**

[https://www.asus.com/Microsite/display/eye\\_care\\_technology/](https://www.asus.com/Microsite/display/eye_care_technology/)

## Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for our customers to be able to responsibly recycle our products, batteries and other components as well as the packaging materials.

Please go to <http://csr.asus.com/english/Takeback.htm> for detail recycling information in different region.

## Product information for EU energy label



XG27UCG

## 1.1 Welcome!

Thank you for purchasing the ROG gaming monitor!

The latest widescreen LCD monitor from ASUS provides a broader, brighter and crystal-clear display, plus a host of features that enhance your viewing experience.

With these features, you can enjoy the convenience and delightful visual experience that the monitor brings to you!

## 1.2 Package contents

Check your package for the following items:

- ✓ LCD monitor
- ✓ Monitor base
- ✓ Quick start guide
- ✓ Warranty card
- ✓ Power adapter
- ✓ Power cord
- ✓ DisplayPort cable
- ✓ HDMI cable (optional)
- ✓ ROG sticker
- ✓ ROG pouch



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If any of the above items is damaged or missing, contact your retailer immediately.

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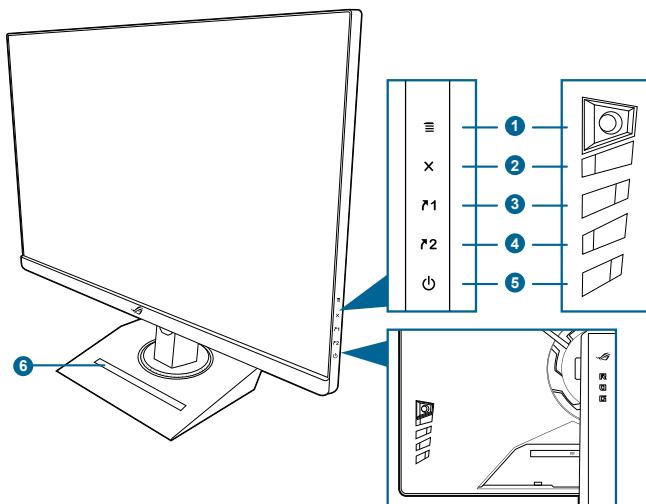
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If you need to replace the power cord or the connection cable(s), please contact ASUS customer service.


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## 1.3 Monitor introduction

### 1.3.1 Front/side view



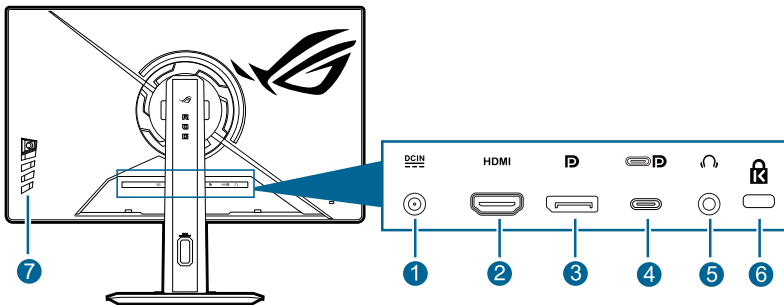
1.  5-way) button:
  - Turns on the OSD menu. Enacts the selected OSD menu item.
  - Increases/Decreases values or moves your selection up/down/left/right.
  - Turns on the OSD menu when the monitor enters standby mode or displays the "NO SIGNAL" message.
  - Move and hold the button downward for over 5 seconds to enable/disable the Key Lock function.
2.  button
  - Exits the OSD menu item.
  - Turns on the OSD menu when the monitor enters standby mode or displays the "NO SIGNAL" message.
3.  Shortcut 1 button:
  - Default: Frame Rate Boost.
  - To change the shortcut function, go to the MyFavorite > Shortcut > Shortcut 1 menu.
  - Turns on the OSD menu when the monitor enters standby mode or displays the "NO SIGNAL" message.
4.  Shortcut 2 button:

- Default: GamePlus.
  - To change the shortcut function, go to the MyFavorite > Shortcut > Shortcut 2 menu.
  - Turns on the OSD menu when the monitor enters standby mode or displays the “NO SIGNAL” message.
5.  Power button/power indicator
- Turns the monitor on/off.
  - The color definition of the power indicator is as the below table.

| Status | Description            |
|--------|------------------------|
| White  | ON                     |
| Amber  | Standby mode/No signal |
| OFF    | OFF                    |

6. Phone holder
- The size of the phone holder is 11.28 x 169.97 mm. Make sure your device fits into the groove.

### 1.3.2 Back view



1. **DC-IN port.** This port connects the power adapter.
2. **HDMI port.** This port is for connection with an HDMI compatible device.
3. **DisplayPort.** This port is for connection with a DisplayPort compatible device.
4. **USB 3.2 Gen 1 Type-C (supports DP Alt mode).** This port is for connection with a DisplayPort/USB Type-C compatible device. This port is also for connection with a USB Type-C cable, which supports USB power delivery (depending on the signal source).



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The monitor is Super-Speed USB 3.2 Gen 1 compatible (5Gbps). The port offers 15W power delivery with output voltage of 5V/3A.

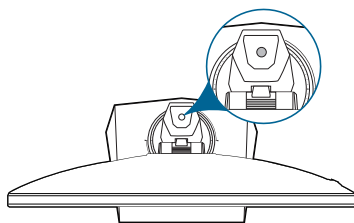
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5. **Earphone jack.** This port is only available when an HDMI/DisplayPort/USB Type-C cable is connected.
6. **Kensington lock slot.**
7. **Control buttons.**

### 1.3.3 Other Function(s)

- Tripod socket atop

1/4-inch tripod socket on the monitor stand allows you to mount a camera, audio equipment or additional display.



- HDR

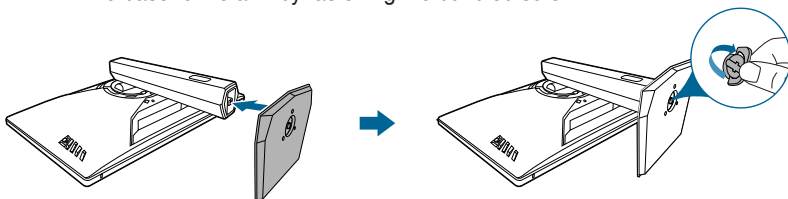
The monitor supports HDR format.



- 
- When displaying HDR content, the following function(s) are not available: **ELMB Setup, Sniper, Sniper Night Vision, GameVisual, Shadow Boost, Brightness, Contrast, ASCR, Aspect Control, Blue Light Filter, Color.**
  - When **Adjustable HDR** is enabled, the following function(s) can be adjusted: **Brightness, Contrast, Color Temp., Saturation, Six-axis Saturation.**
-

## 2.1 Assembling the monitor arm/base

1. Insert the base into the arm.
2. Fix the base to the arm by fastening the bundled screw.



We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.

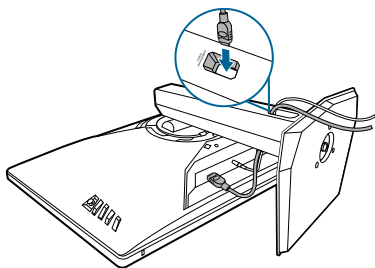


Base screw size: M6 x 15 mm.

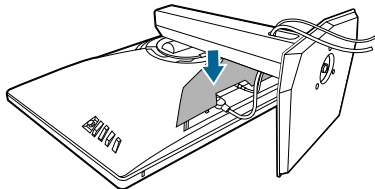
## 2.2 Cable management

You can organize the cables with the help of the cable management hole.

- **Arranging the cables**

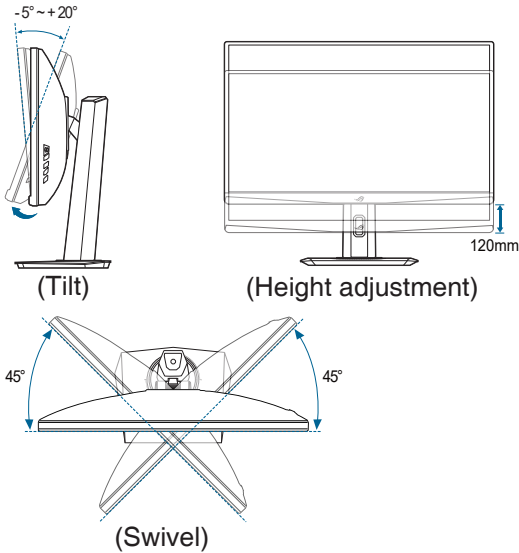


- **Using the input/output port cover:** the cover can be attached or detached.



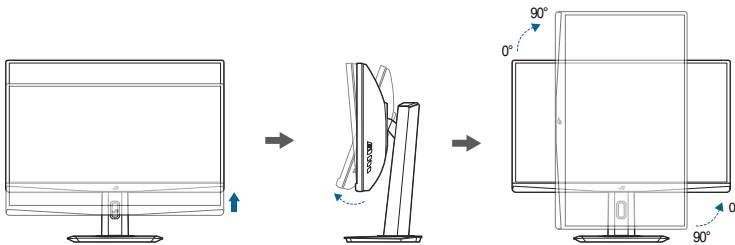
## 2.3 Adjusting the monitor

- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- The recommended adjusting angle is  $+20^{\circ}$  to  $-5^{\circ}$  (for tilt)/ $+45^{\circ}$  to  $-45^{\circ}$  (for swiveling)/120 mm (for height adjustment)/ $\pm 90^{\circ}$  (for portrait view).



### Pivoting the monitor

1. Lift the monitor to the highest position.
2. Tilt the monitor to its maximum angle.
3. Pivot the monitor clockwise or counterclockwise to the angle you need.



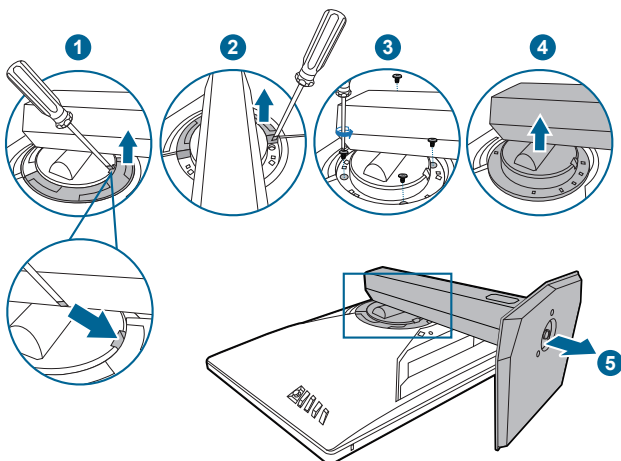
It is normal that the monitor slightly shakes while you adjust the viewing angle.

## 2.4 Detaching the arm (for VESA wall mount)

The detachable arm of this monitor is specially designed for VESA wall mount.

To detach the arm:

1. Have the front of the monitor face down on a table.
2. Remove the covers on where the monitor and the arm meet.
3. Loosen the four screws on the back of the monitor and remove the arm/ base.



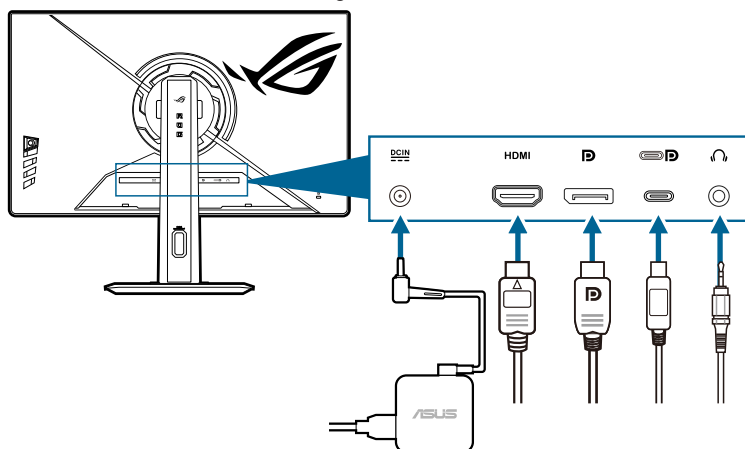
We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.



- The VESA wall mount kit (100 x 100 mm) is purchased separately.
- Use only the UL Listed Wall Mount Bracket with minimum weight/load 22.7kg (Screw size: M4 x 10 mm)

## 2.5 Connecting the cables

Connect the cables as the following instructions:



- **To connect the power cord:**
  - a. Connect the power adapter securely to the monitor's DC input.
  - b. Connect one end of the power cord to the power adapter and the other end to a power outlet.
- **To connect the HDMI/DisplayPort/USB Type-C cable:**
  - a. Plug one end of the HDMI/DisplayPort/USB Type-C cable to the monitor's HDMI/DisplayPort/USB Type-C jack.
  - b. Connect the other end of the HDMI/DisplayPort/USB Type-C cable to your device's HDMI/DisplayPort/USB Type-C jack.





When these cables are connected, you can choose the desired signal from the Input Select item in the OSD menu.



If you need to replace the power cord or the connection cable(s), please contact ASUS customer service.

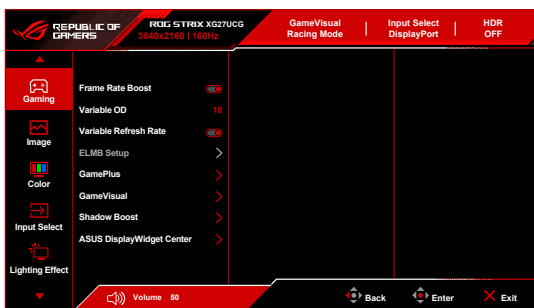
- **To use the earphone:** connect the audio cable to the monitor's earphone jack.


















## 2.6 Turning on the monitor

Press the power button . See page 1-3 for the location of the power button. The power indicator  lights up in white to show that the monitor is ON.

## 3.1 OSD (On-Screen Display) menu

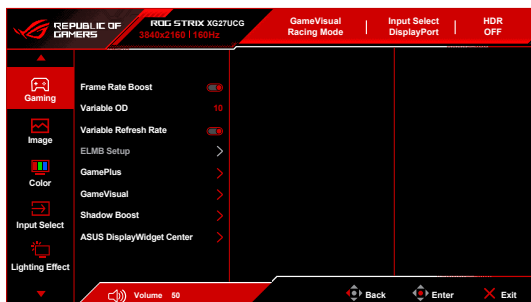
### 3.1.1 How to reconfigure



1. Press the  () button to activate the OSD menu.
2. Move the  () button up/down to navigate through the functions. Highlight the desired function and press the  () button to activate it. If the function selected has a sub-menu, move the  () button up/down again to navigate through the sub-menu functions. Highlight the desired sub-menu function and press the  () button or move the  () button right to activate it.
3. Move the  () button up/down to change the settings of the selected function.
4. To exit and save the OSD menu, press the  button or move the  () left repeatedly until the OSD menu disappears. To adjust other functions, repeat steps 1-3.

## 3.1.2 OSD function introduction

### 1. Gaming



- **Frame Rate Boost:** When this function is activated, 1920 x 1080@320Hz is supported.
- **Variable OD:** Improves the gray level response time of the LCD panel.
- **Variable Refresh Rate:** Allows an Variable Refresh Rate supported\* graphics source to dynamically adjust display refresh rate based on typical content frame rates for power efficient, virtually stutter free and low-latency display update.



- When this function is activated, the following function(s) are not available: **Aspect Control, ELMB.**
- \***Variable Refresh Rate** can only be activated within 48Hz~160Hz when **Frame Rate Boost** is **OFF**, 48Hz~320Hz when **Frame Rate Boost** is **ON**.
- When this function is activated, **DDC/CI** will be automatically turned on.
- \*For supported GPUs, minimum PC system and driver requirements, please contact the GPU manufactures.

#### • **ELMB Setup:**

- \* **ELMB:** **ELMB** can only be activated when **Variable Refresh Rate** is **OFF** and the refresh rate is above 100Hz. This function eliminates screen tearing, reduces ghosting and motion blur when playing games. The function includes 5-level clarity and position adjustment.



- When this function is activated, the following function(s) are not available: **Variable Refresh Rate, Blue Light Filter, ASCR, Aspect Control, ELMB SYNC, Brightness, Dynamic Dimming.**
- To activate **ELMB**, turn off **Variable Refresh Rate** function first.

- \* **ELMB SYNC:** Allows you to turn on the function when **Variable Refresh Rate** is **ON**. This function eliminates screen tearing, reduces ghosting and motion blur when playing games.



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When this function is activated, the following function(s) are not available:  
**Blue Light Filter, ASCR, Aspect Control, ELMB, Dynamic Dimming.**

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- **GamePlus:** The GamePlus function provides a toolkit and creates a better gaming environment for users when playing different types of games.
  - \* **FPS Counter:** The FPS (frames per second) counter lets you know how smooth the game is running.
  - \* **Crosshair:** The crosshair overlays with 6 different crosshair options letting you choose the one that best suits the game you're playing.
  - \* **Sniper/Sniper Night Vision:** This function (only available when HDR is disabled on your device) is customized for first-person shooters. You can select the magnification ratio, the type of alignment in sequence and night vision mode.
  - \* **Timer:** You can position the timer on the upper left corner of the display so you can keep track of the gaming time.
  - \* **Stopwatch:** You can position the stopwatch on the upper left corner of the display so you can keep track of the gaming time.
  - \* **Display Alignment:** **Display Alignment** displays alignment lines on 4 sides of the screen, serving as an easy and handy tool for you to line up multiple monitors perfectly.
- **GameVisual:** The GameVisual function helps you select among different picture modes in a convenient way.
  - \* **Scenery Mode:** This is the best choice for scenery photo displaying with GameVisual™ Video intelligence Technology.
  - \* **Racing Mode:** This is the best choice for racing game playing with GameVisual™ Video intelligence Technology.
  - \* **Cinema Mode:** This is the best choice for movie watching with GameVisual™ Video intelligence Technology.
  - \* **RTS/RPG Mode:** This is the best choice for Real-Time Strategy (RTS)/ Role-Playing Game (RPG) playing with GameVisual™ Video intelligence Technology.
  - \* **FPS Mode:** This is the best choice for First Person Shooter game playing with GameVisual™ Video intelligence Technology.
  - \* **sRGB Mode:** This is the best choice for viewing photos and graphics from PCs.
  - \* **MOBA Mode:** This is the best choice for multiplayer online battle arena game playing with GameVisual™ Video intelligence Technology.
  - \* **Night Vision:** This is the best choice for dark scenery playing with GameVisual™ Video intelligence Technology.
  - \* **User Mode:** More items are adjustable for color adjustments.



- In the **MOBA Mode**, the following function(s) are not user-configurable: **Shadow Boost, VividPixel, Dynamic Dimming, Saturation, Six-axis Saturation.**
- In the **sRGB Mode**, the following function(s) are not user-configurable: **Shadow Boost, Color, Contrast, Dynamic Dimming, ASCR.**

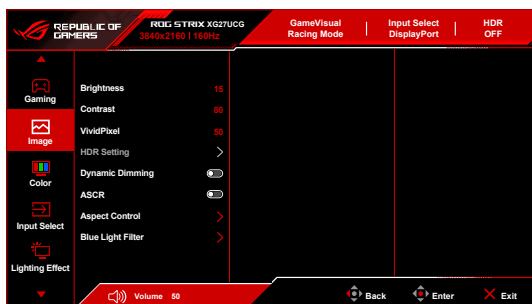
- **Shadow Boost:** Dark color enhancement adjusts monitor gamma curve to enrich the dark tones in an image, making dark scenes and objects much easier to be seen.



This function is only available in **Scenery Mode, Racing Mode, Cinema Mode, RTS/RPG Mode, FPS Mode, Night Vision** or **User Mode.**

- **ASUS DisplayWidget Center:** Displays a QR code for you to access the information about ASUS DisplayWidget Center.

## 2. Image



- **Brightness:** The adjusting range is from 0 to 100.
- **Contrast:** The adjusting range is from 0 to 100.
- **VividPixel:** This function enhances the outline of the displayed picture and generates high-quality images on screen.
- **HDR Setting:** Contains 3 HDR modes, including **Gaming HDR, Cinema HDR** and **Console HDR**. When **Adjustable HDR** is enabled, the following functions can be adjusted: **Brightness, Contrast, Color Temp., Saturation, Six-axis Saturation.**
- **Dynamic Dimming:** Synchronizes with contents while contrast changing to execute backlight dynamic dimming.
- **ASCR:** Turns on/off the ASCR (ASUS Smart Contrast Ratio) function.



When this function is activated, the following function(s) will be disabled: **ELMB, ELMB SYNC, Dynamic Dimming.**

- **Aspect Control:** Adjust the aspect ratio to **16:9** or **Square** to enjoy different gaming scenario.

- \* **16:9:** Simply choose **Fill Up** or **24.5" Simulation** under **Full** for better FPS gaming size; or you can choose **Pixel by Pixel** under Windows Display setting.
- \* **Square:** Provides multiple square aspect ratio choices with different screen sizes, including **Full**, **Equivalent** and **Pixel by Pixel**.




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When this function is activated, the following function(s) will be disabled:  
**Variable Refresh Rate**, **ELMB** and **ELMB SYNC**.

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- **Blue Light Filter:**

- \* **OFF:** No change.
- \* **Level 1~Level 4:** The higher the level, the less blue light is scattered. When **Blue Light Filter** is activated, the default settings of **Racing Mode** will be automatically imported. Between **Level 1** to **Level 3**, the **Brightness** function is user-configurable. **Level 4** is an optimized setting. It is in compliance with TÜV Low Blue Light Certification. The Brightness function is not user-configurable.




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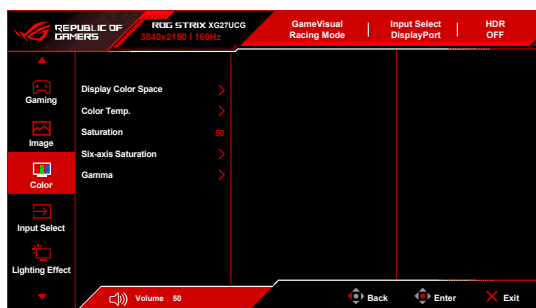
When this function is activated, the following function(s) will be disabled: **ELMB** and **ELMB SYNC**.

---



- Please refer to the following to alleviate eye strains:
  - Users should take some time away from the display if working for long hours. It is advised to take short breaks (at least 5 mins) after around 1 hour of continuous working at the computer. Taking short and frequent breaks is more effective than a single longer break.
  - To minimize eye strain and dryness in your eyes, you should rest the eye periodically by focusing on objects that are far away.
  - Eye exercises can help to reduce eye strain. Repeat these exercises often. If eye strain continues please consult a physician. Eye exercises: (1) Repeating look up and down (2) Slowly roll your eyes (3) Move your eyes diagonal.
  - High energy blue light may lead to eye strain and AMD (Age-Related Macular Degeneration). Blue light Filter reduces 70% (max.) harmful blue light to avoid CVS (Computer Vision Syndrome).
-

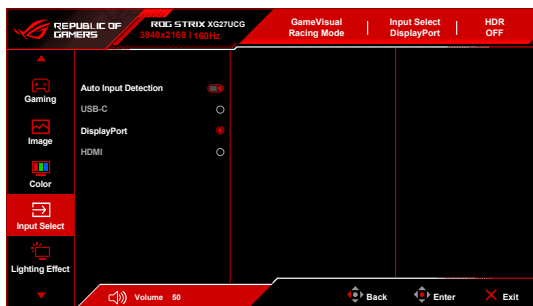
### 3. Color



- **Display Color Space:** Selects the color space for the monitor color output.
- **Color Temp.:** Contains 8 modes including 4000K, 5000K, 6500K, 7500K, 8200K, 9300K, 10000K and User.
- **Saturation:** The adjusting range is from 0 to 100.
- **Six-axis Saturation:** Adjusts the saturation for R, G, B, C, M, Y.
- **Gamma:** Allows you to set the color mode to 1.8, 2.0, 2.2, 2.4 or 2.6.

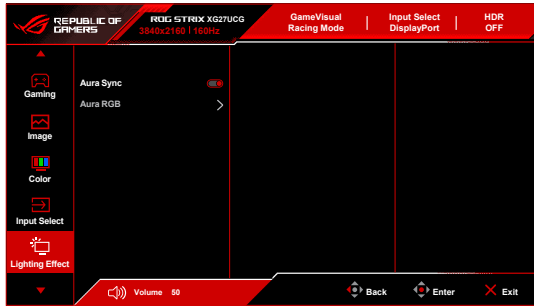
### 4. Input Select

In this function, you can select your desired input source.



- **Auto Input Detection:** When enabled, the system will automatically select the latest inserted I/O port.
- **USB-C/DisplayPort/HDMI:** Manually selects the input source.

## 5. Lighting Effect



- **Aura Sync:** Allows you to turn on or off the **Aura Sync** function that synchronizes the **Aura RGB** light effect among all supported devices.



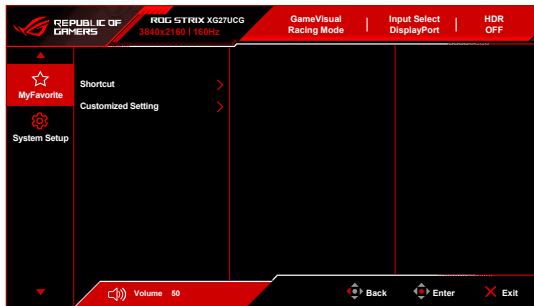
The following function(s) will be disabled when this function turns on:  
**Aura RGB.**

- **Aura RGB:** There are several living colors can be chosen: **OFF, Rainbow, Color Cycle, Static, Breathing, Strobing**. You can manually change the **R/G/B/C/M/Y** color for **Static, Breathing, and Strobing** modes.



This function is not available when **Aura Sync** is enabled.

## 6. MyFavorite



- **Shortcut:**
  - \* **Shortcut 1/Shortcut 2:** Sets the shortcut functions for shortcut buttons.

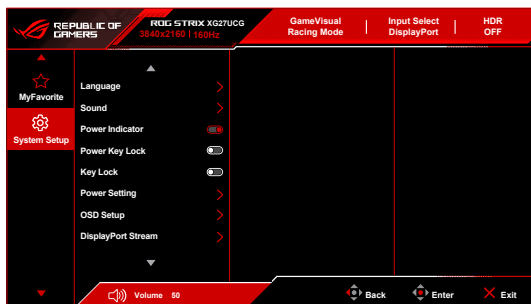



When a certain function is selected or activated, your shortcut button may not support. Available function choices: **GamePlus, GameVisual, Frame Rate Boost, Variable OD, Brightness, Mute, Shadow Boost, Contrast, Input Select, HDR Setting, Blue Light Filter, Color Temp., Volume (Earphone Out), Customized Setting-1, Customized Setting-2.**

- **Customized Setting:**

- \* **Setting 1/Setting 2:** Loads/Saves all settings on the monitor.

## 7. System Setup



- **Language:** There are 23 languages for your selection, including English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian, Vietnamese.
- **Sound:** Sets the sound related settings from this menu.
  - \* **Volume (Earphone Out):** The adjusting range is from 0 to 100.
  - \* **Mute:** Toggles the monitor sound between on and off.
- **Power Indicator:** Turns the power LED indicator on/off.
- **Power Key Lock:** Enables or disables the power key.
- **Key Lock:** To disable all function keys. Move and hold the  (5-way) button downward for over 5 seconds to cancel the key lock function.
- **Power Setting:**
  - \* **Standard Mode:** Standard mode setting may result in higher power consumption.
  - \* **Power Saving Mode:** Power saving mode may cause limited luminance performance.
- **OSD Setup:**
  - \* Adjusts the horizontal position (H-Position)/the vertical position (V-Position) of the OSD.
  - \* Adjusts the OSD timeout from 10 to 120 seconds.
  - \* Adjusts the OSD background from opaque to transparent.
  - \* Enables or disables the DDC/CI function.
- **DisplayPort Stream:** Compatibility with graphic card. Select **DisplayPort 1.2** or **DisplayPort 1.4** by graphic card DP version.
- **Information:** Shows the monitor information.
- **All Reset:** Selecting **Yes** allows you to restore the default settings.

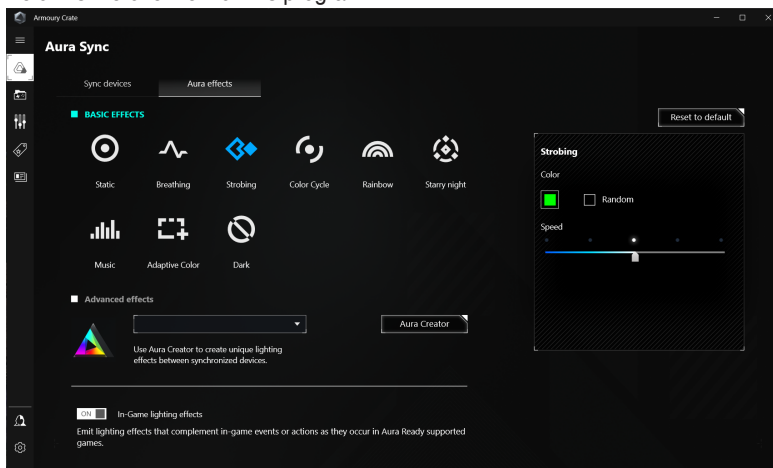
## 3.2 Aura

Armoury Crate is a software program that controls the colorful LEDs on supported devices, such as monitors, motherboards, graphic cards, desktop PCs, etc. Aura allows you to adjust the color of the RGB LEDs on these devices and select different light effects. You can also correct or adjust the color of the LEDs by calibrating them.

To activate Aura:

1. Turn ON the **Aura Sync** function in the OSD menu.
2. Connect the USB 3.2 Gen 1 upstream port of the monitor to the USB port of your computer.
3. Install Armoury Crate and then restart the computer.
4. Execute Armoury Crate.

Below is the overview of this program.



- If the USB upstream connection between the monitor and computer is disconnected, to resume the Aura function, you need to re-connect the USB 3.2 Gen 1 upstream port of the monitor to the computer and then restart the computer.
- Visit [https://rog.asus.com/innovation/armoury\\_crate/](https://rog.asus.com/innovation/armoury_crate/) for more details.

## 3.3 Specifications summary

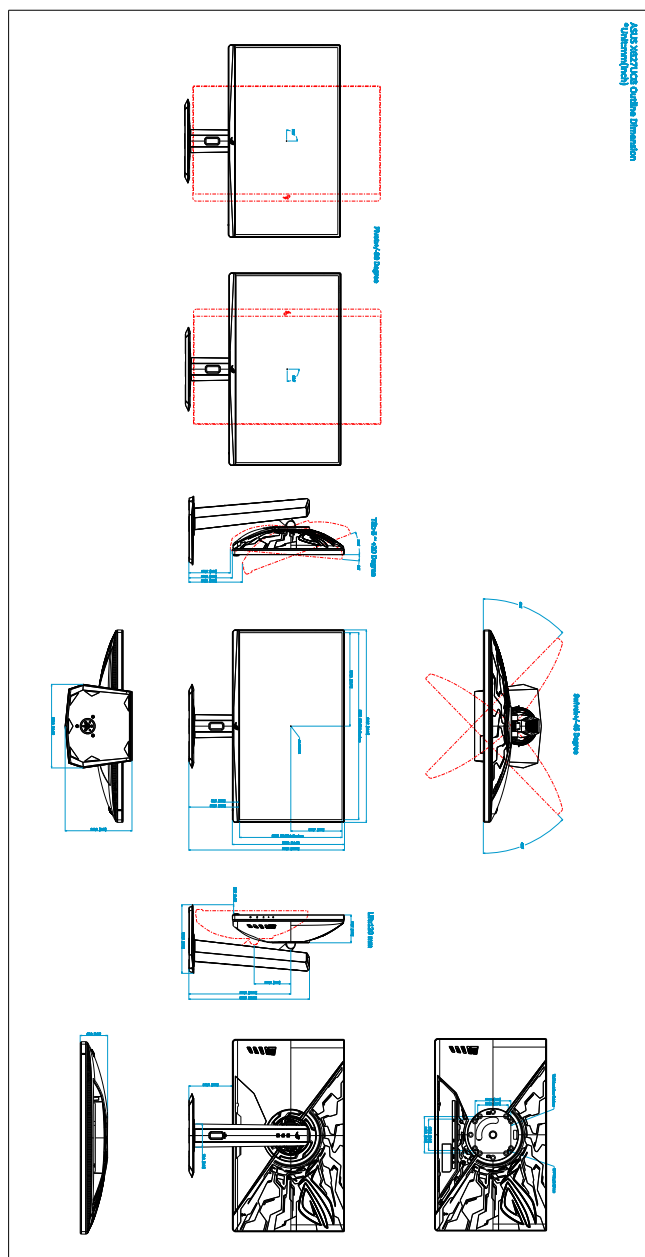
|                             |  |
|-----------------------------|--|
| Panel type                  | TFT LCD  |
| Panel size                  | 27"W (68.5 cm) wide screen   |
| Max. resolution             | 3840 x 2160  |
| Pixel pitch                 | 0.155 mm x 0.155 mm  |
| Brightness (Typ.)           | 350 cd/m <sup>2</sup> ; 400 cd/m <sup>2</sup> (HDR peak)   |
| Contrast ratio (Typ.)       | 1000:1   |
| Viewing angle(H/V) CR>10    | 178°/178°  |
| Display colors              | 1.07 B   |
| Response time               | 1ms (GTG)  |
| Color temperature selection | 8 color temperatures   |
| Analog input                | No   |
| Digital input               | DisplayPort v1.4 x 1, HDMI v2.1 x 1, USB Type-C x 1  |
| Earphone jack               | Yes  |
| Audio input                 | No   |
| Speaker (Built-in)          | No   |
| Colors                      | Black/White  |
| Power LED                   | White (On)/Amber (Standby)   |
| Tilt                        | +20° ~ -5°   |
| Pivot                       | +/-90°   |
| Swivel                      | +45° ~ -45°  |
| Height adjustment           | 120 mm   |
| VESA wall mount             | 100 x 100 mm   |
| Kensington lock             | Yes  |
| Voltage rating              | AC: 100~240V, 50~60Hz, 1.5 A<br>DC: 20 V, 6 A (AC adapter)   |
| Power consumption           | Power On: < 30 W**, Standby: < 0.5 W,<br>Power Off: < 0.3 W  |
| Temperature (Operating)     | 0°C~40°C   |
| Temperature (Non-operating) | -20°C~+60°C  |
| Dimensions (W x H x D)      | 61.37 x 36.72 x 8.98 cm (without stand)<br>61.37 x 38.96 x 21.88 cm (with stand, lowest)<br>61.37 x 50.96 x 21.88 cm (with stand, highest)<br>71.9 x 24.0 x 46.0 cm (package)  |
| Weight (Esti.)              | 3.8 kg (without stand); 6.6 kg (Net); 9.1 kg (Gross)   |
| Multi-languages             | 23 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian, Vietnamese) |

|                                 |  |
|---------------------------------|--|
| <b>Accessories</b>              | Quick start guide, warranty card, power adapter, power cord, DP cable, ROG sticker, ROG pouch  |
| <b>Compliance and standards</b> | cTUVus, FCC, ICES-3, CB, CE, ErP, WEEE, UkrSEPRO, Ukraine Energy Label, CU(EAC LOGO), CCC, China Energy Label, BSMI, RCM, VCCI, PC Recycle, J-MOSS, KCC, KMEPS, RoHs, CEC, HDMI, DP, DisplayHDR 400, VESA Adaptive Sync, WHQL Windows 10/11, TUV Flicker free, TUV Low Blue Light, EU Energy label |


**\*Specifications are subject to change without notice.**

**\*\*Measuring a screen brightness of 200 nits without audio/USB/Card reader connection.**

## 3.4 Outline dimensions



## 3.5 Troubleshooting (FAQ)

| Problem  | Possible Solution  |
|--|--|
| Power LED is not ON  | <ul style="list-style-type: none"><li>• Press the  button to check if the monitor is in the ON mode.</li><li>• Check if the power cord is properly connected to the monitor and the power outlet.</li></ul>   |
| The power LED lights white and there is no screen image                | <ul style="list-style-type: none"><li>• Check if the monitor and the computer are in the ON mode.</li><li>• Make sure the signal cable is properly connected the monitor and the computer.</li><li>• Inspect the signal cable and make sure none of the pins are bent.</li><li>• Connect the computer with another available monitor to check if the computer is properly working.</li></ul> |
| Screen image is too light or dark                                      | <ul style="list-style-type: none"><li>• Adjust the Contrast and Brightness settings via OSD.</li></ul>   |
| Screen image bounces or a wave pattern is present in the image         | <ul style="list-style-type: none"><li>• Make sure the signal cable is properly connected to the monitor and the computer.</li><li>• Move electrical devices that may cause electrical interference.</li></ul>  |
| Screen image has color defects (white does not look white)             | <ul style="list-style-type: none"><li>• Inspect the signal cable and make sure that none of the pins are bent.</li><li>• Perform All Reset via OSD.</li><li>• Adjust the R/G/B color settings or select the Color Temperature via OSD.</li></ul>   |
| Brightness decreases after displaying HDR content for a period of time | <ul style="list-style-type: none"><li>• Turn off the monitor by pressing the power button and then turn on the monitor.</li><li>• Turn off the monitor by disconnecting the power cord and then turn on the monitor.</li><li>• Reactivate the HDR function on your device.</li></ul>   |

### 3.6 Supported operating mode

When Frame Rate Boost is OFF:

| Aspect Control   | Resolution                 |
|------------------|----------------------------|
| Fill Up          | 640 x 480 60Hz             |
|                  | 640 x 480 75Hz             |
|                  | 800 x 600 60Hz             |
|                  | 800 x 600 75Hz             |
|                  | 1024 x 768 60Hz            |
|                  | 1024 x 768 75Hz            |
|                  | 1280 x 1024 60Hz           |
|                  | 1280 x 960 60Hz            |
|                  | 1280 x 720 59.94Hz/60Hz    |
|                  | 1600 x 1200 60Hz           |
|                  | 1920 x 1080 59.94Hz/60Hz   |
|                  | 2560 x 1440 60Hz           |
|                  | 2560 x 1440 120Hz          |
|                  | 2560 x 1440 160Hz          |
|                  | 3840 x 2160 60Hz (deafult) |
|                  | 3840 x 2160 120Hz          |
|                  | 3840 x 2160 160Hz          |
| 24.5" Simulation | 640 x 480 60Hz             |
|                  | 640 x 480 75Hz             |
|                  | 800 x 600 60Hz             |
|                  | 800 x 600 75Hz             |
|                  | 1024 x 768 60Hz            |
|                  | 1024 x 768 75Hz            |
|                  | 1280 x 1024 60Hz           |
|                  | 1280 x 960 60Hz (deafult)  |
|                  | 1280 x 720 59.94Hz/60Hz    |
|                  | 1600 x 1200 60Hz           |
|                  | 1920 x 1080 59.94Hz/60Hz   |
|                  | 2560 x 1440 60Hz           |
|                  | 3496 x 1968 60Hz           |

| Aspect Control | Resolution                                 |
|----------------|--|
| Square         | 640 x 480 60Hz                             |
|                | 640 x 480 75Hz                             |
|                | 800 x 600 60Hz                             |
|                | 800 x 600 75Hz                             |
|                | 1024 x 768 60Hz                            |
|                | 1024 x 768 75Hz                            |
|                | 1280 x 1024 60Hz                           |
|                | 1280 x 960 60Hz (default)                  |
|                | 1280 x 720 59.94Hz/60Hz                    |
|                | 1600 x 1200 60Hz                           |
|                | 1920 x 1080 59.94Hz/60Hz                   |
|                | 2560 x 1440 60Hz                           |
|                | 2560 x 1440 120Hz                          |
|                | 1024 x 768 160Hz                           |
|                | 1152 x 864 160Hz (DisplayPort/USB Type-C)  |
|                | 1280 x 960 160Hz                           |
|                | 1440 x 1080 160Hz                          |
|                | 1728 x 1080 160Hz                          |
|                | 1920 x 1440 160Hz                          |
|                | 2880 x 2160 160Hz (DisplayPort/USB Type-C) |

Video Timings

| Aspect Control | Resolution                |
|----------------|---------------------------|
| Fill Up        | 3840 x 2160p 119.88/120Hz |
|                | 3840 x 2160p 100Hz        |
|                | 3840 x 2160p 59.94Hz/60Hz |
|                | 3840 x 2160p 50Hz         |
|                | 3840 x 2160p 29.97Hz/30Hz |
|                | 3840 x 2160p 25Hz         |
|                | 3840 x 2160p 23.98Hz/24Hz |
|                | 1920 x 1080p 119.88/120Hz |
|                | 1920 x 1080p 100Hz        |
|                | 1920 x 1080p 59.94Hz/60Hz |
|                | 1920 x 1080p 50Hz         |
|                | 1920 x 1080p 29.97Hz/30Hz |
|                | 1920 x 1080p 25Hz         |
|                | 1920 x 1080p 23.98Hz/24Hz |
|                | 1280 x 720p 59.94Hz/60Hz  |
|                | 1280 x 720p 50Hz          |
|                | 720 x 576p 50Hz           |
|                | 720 x 480p 59.94Hz/60Hz   |
|                | 640 x 480p 59.94Hz/60Hz   |

| Aspect Control   | Resolution                |
|------------------|---------------------------|
| 24.5" Simulation | 3840 x 2160p 59.94Hz/60Hz |
|                  | 3840 x 2160p 50Hz         |
|                  | 3840 x 2160p 29.97Hz/30Hz |
|                  | 3840 x 2160p 25Hz         |
|                  | 3840 x 2160p 23.98Hz/24Hz |
|                  | 1920 x 1080p 59.94Hz/60Hz |
|                  | 1920 x 1080p 50Hz         |
|                  | 1920 x 1080p 29.97Hz/30Hz |
|                  | 1920 x 1080p 25Hz         |
|                  | 1920 x 1080p 23.98Hz/24Hz |
|                  | 1280 x 720p 59.94Hz/60Hz  |
|                  | 1280 x 720p 50Hz          |
|                  | 720 x 576p 50Hz           |
|                  | 720 x 576p 50Hz           |
|                  | 720 x 480p 59.94Hz/60Hz   |
|                  | 720 x 480p 59.94Hz/60Hz   |
|                  | 640 x 480p 59.94Hz/60Hz   |

| Aspect Control | Resolution                |
|----------------|---------------------------|
| Square         | 3840 x 2160p 119.88/120Hz |
|                | 3840 x 2160p 100Hz        |
|                | 3840 x 2160p 59.94Hz/60Hz |
|                | 3840 x 2160p 50Hz         |
|                | 3840 x 2160p 29.97Hz/30Hz |
|                | 3840 x 2160p 25Hz         |
|                | 3840 x 2160p 23.98Hz/24Hz |
|                | 1920x1080p 119.88/120Hz   |
|                | 1920 x 1080p 100Hz        |
|                | 1920 x 1080p 59.94Hz/60Hz |
|                | 1920 x 1080p 50Hz         |
|                | 1920 x 1080p 29.97Hz/30Hz |
|                | 1920 x 1080p 25Hz         |
|                | 1920 x 1080p 23.98Hz/24Hz |
|                | 1280 x 720p 59.94Hz/60Hz  |
|                | 1280 x 720p 50Hz          |
|                | 720 x 576p 50Hz           |
|                | 720 x 480p 59.94Hz/60Hz   |
|                | 640 x 480p 59.94Hz/60Hz   |

When Frame Rate Boost is ON:

| Aspect Control   | Resolution                |
|------------------|---------------------------|
| Fill Up          | 640 x 480 60Hz            |
|                  | 640 x 480 75Hz            |
|                  | 800 x 600 60Hz            |
|                  | 800 x 600 75Hz            |
|                  | 1024 x 768 60Hz           |
|                  | 1024 x 768 75Hz           |
|                  | 1280 x 1024 60Hz          |
|                  | 1280 x 960 60Hz           |
|                  | 1280 x 720 59.94Hz/60Hz   |
|                  | 1600 x 900 60Hz           |
|                  | 1920 x 1080 59.94Hz/60Hz  |
|                  | 1920 x 1080 144Hz         |
|                  | 1920 x 1080 240Hz         |
|                  | 1920 x 1080 320Hz         |
| 24.5" Simulation | 640 x 480 60Hz            |
|                  | 640 x 480 75Hz            |
|                  | 800 x 600 60Hz            |
|                  | 800 x 600 75Hz            |
|                  | 1024 x 768 60Hz           |
|                  | 1024 x 768 75Hz           |
|                  | 1280 x 1024 60Hz          |
|                  | 1280 x 960 60Hz (default) |
|                  | 1280 x 720 59.94Hz/60Hz   |
|                  | 1600 x 900 60Hz           |
|                  | 1920 x 1080 59.94Hz/60Hz  |
|                  | 1920 x 1080 119.88Hz      |
|                  | 1920 x 1080 180Hz         |
|                  | 1744 x 982 60Hz           |
|                  | 1744 x 982 120Hz          |
|                  | 1744 x 982 180Hz          |

| Aspect Control | Resolution                |
|----------------|---------------------------|
| Square         | 640 x 480 60Hz            |
|                | 640 x 480 75Hz            |
|                | 800 x 600 60Hz            |
|                | 800 x 600 75Hz            |
|                | 1024 x 768 60Hz           |
|                | 1024 x 768 75Hz           |
|                | 1280 x 1024 60Hz          |
|                | 1280 x 960 60Hz (default) |
|                | 1280 x 720 59.94Hz/60Hz   |
|                | 1600 x 900 60Hz           |
|                | 1920 x 1080 59.94Hz/60Hz  |
|                | 1024 x 768 320Hz          |
|                | 1152 x 864 320Hz          |
|                | 1280 x 960 320Hz          |
|                | 1440 x 1080 320Hz         |
|                | 1728 x 1080 320Hz         |

***Video Timings***

| Aspect Control | Resolution                |
|----------------|---------------------------|
| Fill Up        | 1920 x 1080p 119.88/120Hz |
|                | 1920 x 1080p 100Hz        |
|                | 1920 x 1080p 59.94Hz/60Hz |
|                | 1920 x 1080p 50Hz         |
|                | 1920 x 1080p 29.97Hz/30Hz |
|                | 1920 x 1080p 25Hz         |
|                | 1920 x 1080p 23.98Hz/24Hz |
|                | 1280 x 720p 59.94Hz/60Hz  |
|                | 1280 x 720p 50Hz          |
|                | 720 x 576p 50Hz           |
|                | 720 x 480p 59.94Hz/60Hz   |
|                | 640 x 480p 59.94Hz/60Hz   |

| Aspect Control          | Resolution                |
|-------------------------|---------------------------|
| <b>24.5" Simulation</b> | 1920 x 1080p 119.88/120Hz |
|                         | 1920 x 1080p 100Hz        |
|                         | 1920 x 1080p 59.94Hz/60Hz |
|                         | 1920 x 1080p 50Hz         |
|                         | 1920 x 1080p 29.97Hz/30Hz |
|                         | 1920 x 1080p 25Hz         |
|                         | 1920 x 1080p 23.98Hz/24Hz |
|                         | 1280 x 720p 59.94Hz/60Hz  |
|                         | 1280 x 720p 50Hz          |
|                         | 720 x 576p 50Hz           |
|                         | 720 x 576p 50Hz           |
|                         | 720 x 480p 59.94Hz/60Hz   |
|                         | 720 x 480p 59.94Hz/60Hz   |
|                         | 640 x 480p 59.94Hz/60Hz   |
| <b>Square</b>           | 1920 x 1080p 119.88/120Hz |
|                         | 1920 x 1080p 100Hz        |
|                         | 1920 x 1080p 59.94Hz/60Hz |
|                         | 1920 x 1080p 50Hz         |
|                         | 1920 x 1080p 29.97Hz/30Hz |
|                         | 1920 x 1080p 25Hz         |
|                         | 1920 x 1080p 23.98Hz/24Hz |
|                         | 1280 x 720p 59.94Hz/60Hz  |
|                         | 1280 x 720p 50Hz          |
|                         | 720 x 576p 50Hz           |
|                         | 720 x 480p 59.94Hz/60Hz   |
|                         | 640 x 480p 59.94Hz/60Hz   |

