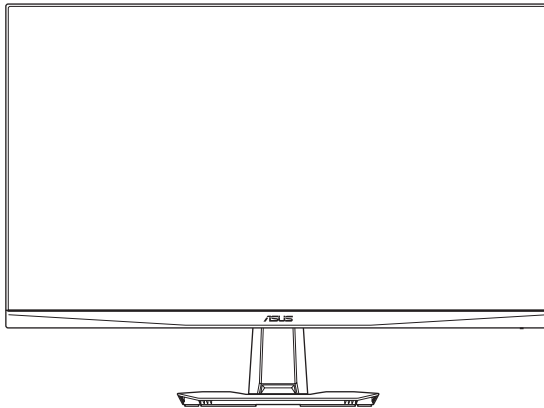




# TUF Gaming Monitor VG27AQM5F Series

## *User Guide*



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# 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.



---

**WARNING:** 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.

---

## 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 brouilleur 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 Waste Electrical and Electronic Equipment (WEEE) Directive (Directive 2012/19/EU) is a European Union law that aims to reduce the environmental impact of electrical and electronic equipment. It mandates producers to take responsibility for the end-of-life management of their products, promoting collection, treatment, and recycling to minimize waste and encourage resource recovery.

Do not throw your Electronic and electrical equipment in municipal waste.

The symbol of the crossed-out wheeled bin on the product or packaging indicates that this product (including any batteries it contains), must not be disposed of with your household waste.

To prevent potential harm to the environment and human health, a collection framework should be used to return, recycle, and recover waste electrical and electronic equipment (WEEE), and this product has been designed to enable the reuse of parts and facilitate the recycling of certain materials.

Improper disposal may involve risks due to the presence of hazardous substances within electrical and electronic equipment, such as lead and BFR and other harmful components.

Check your local recycling services for electronic products.

(<https://esg.asus.com/en/circular-economy/resource-regeneration/global-take-back-service>)

## **AEEE yönetmeliine 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 <https://esg.asus.com/en/circular-economy/resource-regeneration/global-take-back-service> for detail recycling information in different region.

## Product information for EU energy label



VG27AQM5F

## 1.1 Welcome!

Thank you for purchasing the ASUS® LCD 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:

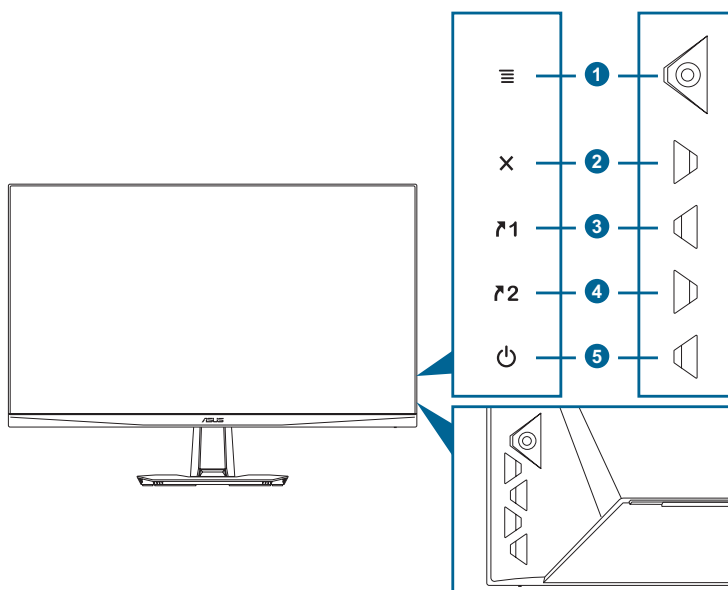
- ✓ LCD monitor
- ✓ Monitor base
- ✓ Monitor stand
- ✓ Quick Start Guide
- ✓ Warranty card
- ✓ Power cord
- ✓ DisplayPort cable



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

## 1.3 Monitor introduction

### 1.3.1 Front view

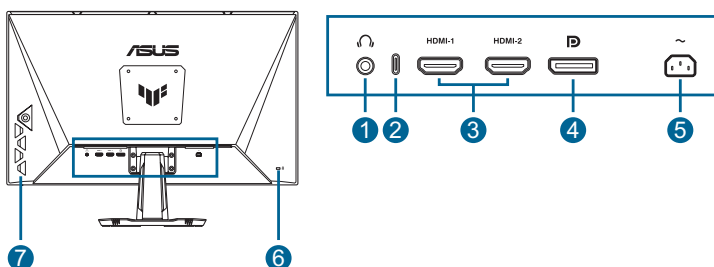


1. (⊙ 5-way) button:
  - Activates the Quick menu.
  - Enacts the selected OSD menu item.
  - Increases/Decreases values or moves your selection up/down/left/right.
  - Displays the input selection bar when the monitor enters standby mode or displays the “NO SIGNAL” message.
2. button:
  - Exits the OSD menu item.
  - Displays the input selection bar when the monitor enters standby mode or displays the “NO SIGNAL” message.
3. Shortcut 1 button:
  - Default: GamePlus.
  - To change the shortcut function, go to the MyFavorite > Shortcut > Shortcut 1 menu.
  - Displays the input selection bar when the monitor enters standby mode or displays the “NO SIGNAL” message.

4. **Shortcut 2 button:**
  - Default: GameVisual.
  - To change the shortcut function, go to the MyFavorite > Shortcut > Shortcut 2 menu.
  - Displays the input selection bar 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                    |

### 1.3.2 Back view



1. **Earphone jack.** This port is only available when an HDMI/ DisplayPort cable is connected.
2. **Service port.** Use this port to connect the monitor with your PC via USB type-C cable to upgrade the firmware of the monitor.
3. **HDMI ports.** These ports are for connection with an HDMI compatible devices.
4. **DisplayPort.** This port is for connection for a DisplayPort compatible device.
5. **ACIN port.** This port connects the power cord.
6. **Kensington lock slot.**
7. **Control buttons.**

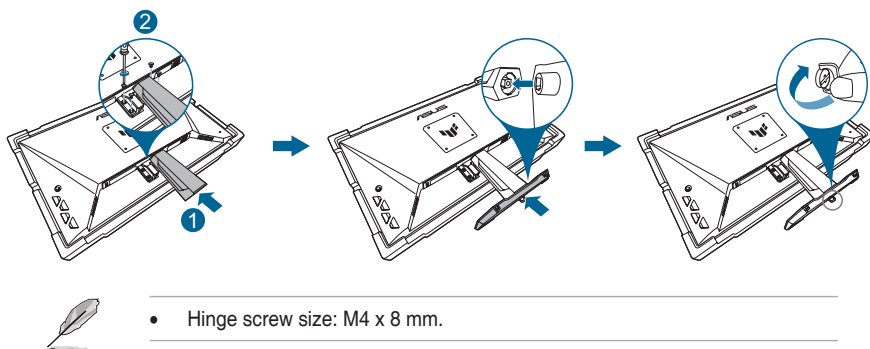
## 2.1 Assembling the monitor arm/base

To assemble the monitor base:

1. Have the front of the monitor face down on a table.
2. Align and install the arm hinge of the stand assembly onto its compartment on the rear of the monitor. Fix the arm hinge to the monitor with the screws.
3. Attach the base into the arm. Then fix the base to the arm by fastening the bundled screw.



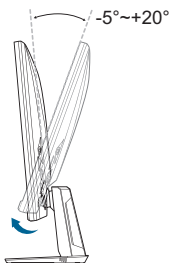
We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.



- Hinge screw size: M4 x 8 mm.

## 2.2 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  $-5^{\circ}$  to  $20^{\circ}$  (for tilt).



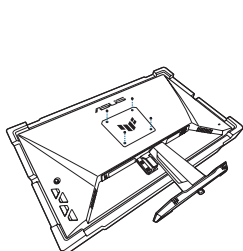
- 
- It is normal that the monitor slightly shakes while you adjust the viewing angle.
-

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

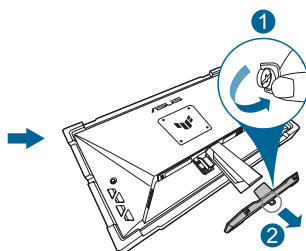
The detachable arm/base of this monitor is specially designed for VESA wall mount.

To detach the arm/base:

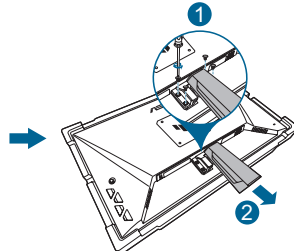
1. Have the front of the monitor face down on a table.
2. Remove the rubbers in the four screw holes. (Figure 1)
3. Loosen the bundled screw securing the base. Then remove the base. (Figure 2)
4. Remove the screws securing the arm hinge. Then remove the arm. (Figure 3)



(Figure 1)



(Figure 2)



(Figure 3)



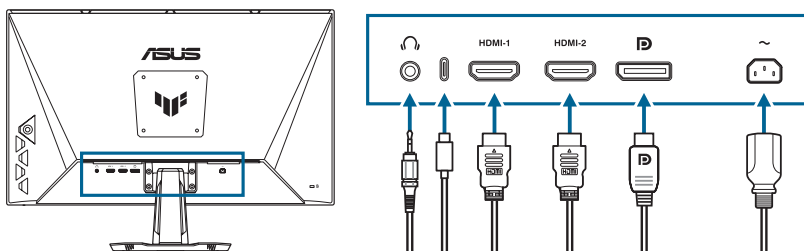
- We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.



- 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 8 mm).

## 2.4 Connecting the cables

Connect the cables as the following instructions:



- **To use the earphone:** Connect the end with plug type to the monitor's earphone jack when an HDMI/DisplayPort signal is fed.
- **Service port:** Use this port to connect the monitor with your PC via USB type-C cable to upgrade the firmware of the monitor.
- **To connect the HDMI/DisplayPort cable:**
  - a. Plug one end of the HDMI/DisplayPort cable to the monitor's HDMI/DisplayPort jack.
  - b. Connect the other end of the HDMI/DisplayPort cable to your device's HDMI/DisplayPort jack.
- **To use the power cord:** Connect the power cord to a power outlet.

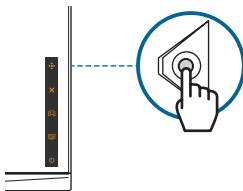
## 2.5 Turning on the monitor

Press the Power (⏻) button. The Power indicator lights up in white to indicate that the monitor is turned on.

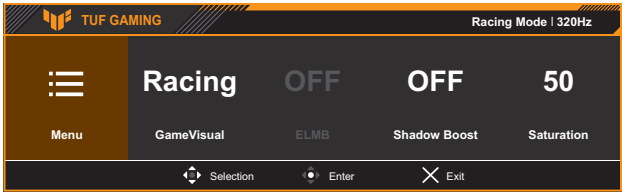
# 3.1 OSD (On-Screen Display) menu

## 3.1.1 How to reconfigure

1. After the monitor is turned on, press the  button to activate the OSD Quick Menu.



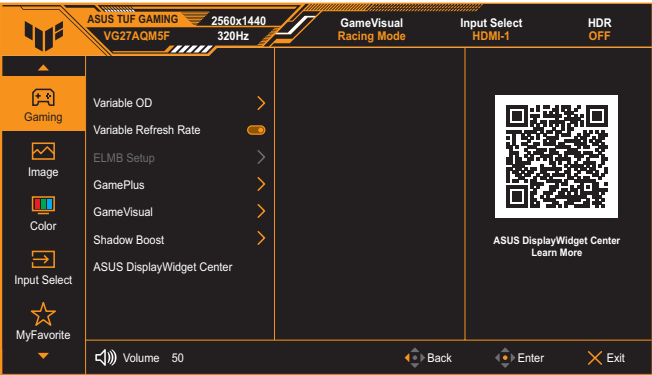
2. When the Quick Menu is activated:



| OSD (On Screen Display) icon |  Control button operation | Function                                                                                                                         |
|------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Quick Menu                   | Move up/down                                                                                               | Switches to the previous/ next menu setting.                                                                                     |
|                              | Move left/right                                                                                            | <ul style="list-style-type: none"><li>• Selects the previous/ next menu item.</li><li>• Selects the desired parameter.</li></ul> |
|                              | Press (center)                                                                                             | Confirms the selection.                                                                                                          |

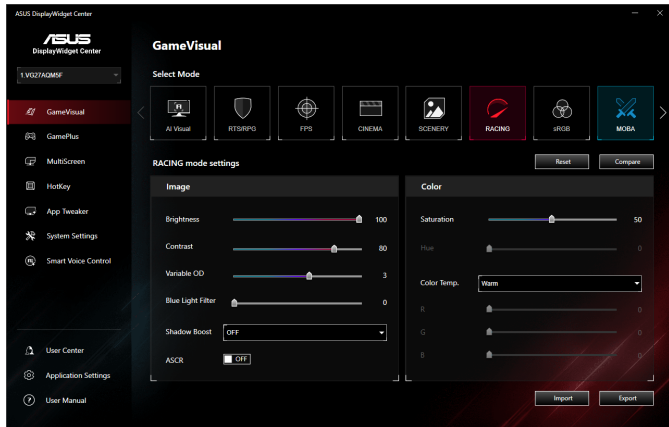
To modify the Quick Menu options, refer to the Quick Menu item in the OSD function introduction (page 3-14).

3. When the Menu is activated:



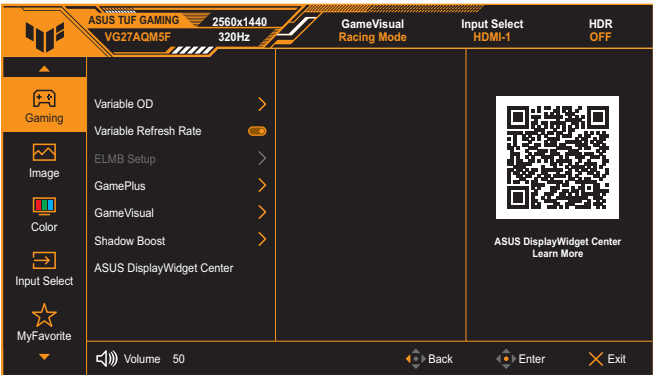
| OSD (On Screen Display) icon |  Control button operation | Function                                                                                                                         |
|------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Menu                         | Move up/down                                                                                               | <ul style="list-style-type: none"><li>• Selects the previous/ next menu item.</li><li>• Selects the desired parameter.</li></ul> |
|                              | Move left/right                                                                                            | Switches to the left/right menu.                                                                                                 |
|                              | Press (center)                                                                                             | Confirms the selection.                                                                                                          |

- **ASUS DisplayWidget Center:** Displays a QR code for you to access the information about ASUS DisplayWidget Center.
  - Please go to VG27AQM5F official website, find “Support” tab and choose “Driver & Utility” to download latest DisplayWidget Center.
  - Please always connect your VG27AQM5F to input device first, and then turn on DisplayWidget Center.
  - We also suggest you to create a shortcut of DisplayWidget Center on your computer desktop for easier activation.



### 3.1.2 OSD function introduction

#### 1. Gaming



| Menu Option           |           | Description                                                                                                                                                                                                   | Remark                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variable OD           | Level 0~5 | Speeds up the response time by Over Drive technology.                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                  |
| Variable Refresh Rate | On / Off  | Allows an Adaptive-Sync 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. | <ul style="list-style-type: none"><li>Variable Refresh Rate can only be activated within 48Hz~320Hz for both HDMI and DisplayPort.</li><li>For supported GPUs, minimum PC system and driver requirements, please contact the GPU manufactures.</li><li>The following function will be disabled when Variable Refresh Rate is On: ELMB.</li></ul> |

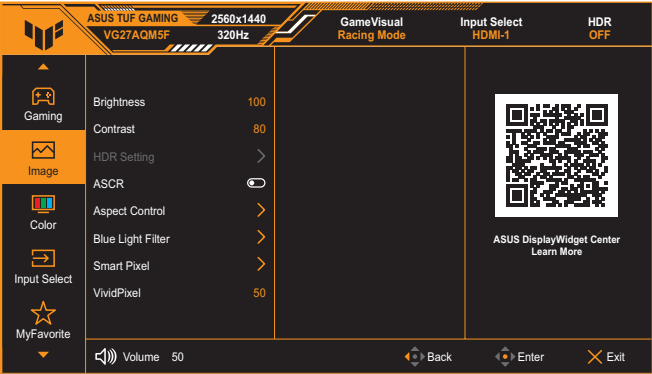
| Menu Option |                  | Description                                                                                                                                                        | Remark                                                                                                                                                                                                                                                                                                 |
|-------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ELMB Setup  | ELMB             | When Variable Refresh Rate is Off, this function can only be activated when the refresh rate is higher than 100Hz.                                                 | The following functions will be disabled when ELMB is On:<br><ul style="list-style-type: none"> <li>- Variable Refresh Rate</li> <li>- ELMB SYNC</li> <li>- Brightness</li> <li>- Aspect Control</li> <li>- ASCR</li> <li>- Blue Light Filter</li> <li>- Variable OD</li> <li>- HDR Setting</li> </ul> |
|             | 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. | The following functions will be disabled when ELMB SYNC is On:<br><ul style="list-style-type: none"> <li>- ELMB</li> <li>- Brightness</li> <li>- Aspect Control</li> <li>- ASCR</li> <li>- Blue Light Filter</li> <li>- HDR Setting</li> </ul>                                                         |
|             | Clarity Level    | Adjusts the sharpness level of the ELMB effect. There are 5 clarity levels available, allowing you to fine-tune motion clarity based on your preference.           | When Clarity Level or Clarity Position is enabled, the following functions will be unavailable:<br>Variable Refresh Rate, ELMB Sync, Brightness, Aspect Control, Dynamic Dimming, ASCR, Blue Light Filter, Variable OD, HDR Setting.                                                                   |
|             | Clarity Position | Adjusts where the blur-reduction effect appears on screen. Choose from 3 levels — Top, Middle, or Bottom — to match different types of content.                    |                                                                                                                                                                                                                                                                                                        |

| Menu Option |                   | Description                                                                                                                                                                                                     | Remark |
|-------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GamePlus    | FPS Counter       | Displays real-time frames per second (FPS) to indicate how smoothly the game is running.<br>You can choose to show the FPS as a number or a bar graph on screen.                                                |        |
|             | Crosshair         | Provides 6 built-in crosshair styles, so you can choose the one that best fits your game. Also includes a Dynamic Crosshair option that adjusts the crosshair automatically based on gameplay.                  |        |
|             | Timer             | Displays a countdown timer on the upper-left corner of the screen to help you track gameplay or rest time.<br>You can choose from the following preset durations: 30:00, 40:00, 50:00, 60:00, or 90:00 minutes. |        |
|             | Stopwatch         | Displays a stopwatch on the upper-left corner of the screen to help you track elapsed time during gameplay or activities.<br>The stopwatch starts from 00:00 and counts upward until manually stopped.          |        |
|             | Display Alignment | Displays alignment lines on all four sides of the screen to help you align multiple monitors more precisely and easily.                                                                                         |        |
| Game Visual | 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.                                                                                                                 |        |

| Menu Option                |              | Description                                                                                                                                     | Remark                                                                                                                                                                |
|----------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Game Visual                | 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.                                                                               | <ul style="list-style-type: none"> <li>In the sRGB mode, the following function(s) are not user-configurable: Contrast, Saturation, Color Temp., and ASCR.</li> </ul> |
|                            | MOBA Mode    | This is the best choice for multiplayer online battle arena game playing with GameVisual™ Video intelligence Technology.                        | <ul style="list-style-type: none"> <li>In the MOBA/ Night Vision mode, the following function(s) are not user-configurable: Saturation.</li> </ul>                    |
|                            | Night Vision | This is the best choice for dark scenery playing GameVisual™ Video intelligence Technology.                                                     |                                                                                                                                                                       |
|                            | User Mode    | More items are adjustable in the Color menu.                                                                                                    |                                                                                                                                                                       |
| 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 not available in sRGB mode and MOBA mode.                                                                                                            |
| ASUS Display Widget Center |              | Displays a QR code for you to access the information about ASUS DisplayWidget Center.                                                           |                                                                                                                                                                       |

2. Image

Adjust the image settings.



| Menu Option |                       | Description                                                                                                                                                                                                                                                                                                      | Remark                                                                                                                                                                                                                                                                  |
|-------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brightness  | 0 to 100              | Adjust screen brightness. When HDR is enabled, only adjustment via HDR Brightness is supported.                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                         |
| Contrast    | 0 to 100              | Adjust contrast to enhance image detail and depth.                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                         |
| HDR Setting | Gaming HDR            | Delivers richer details and more realistic colors, especially noticeable in scenes with strong contrast between light and dark areas.<br><u>Gaming HDR</u><br>A mode designed for gamers.<br><u>Cinema HDR</u><br>Ideal for movies and cinematic content.<br><u>Console HDR</u><br>Tailored for gaming consoles. | When detecting HDR content, an “HDR ON” message will pop up. When displaying HDR content, the following function(s) are not available: ELMB, GameVisual, Shadow Boost, Brightness, Contrast, ASCR, Blue Light Filter, Color Temp., Saturation, and Display Color Space. |
|             | Cinema HDR            |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                         |
|             | Console HDR           |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                         |
|             | Brightness Adjustable | By default, brightness in HDR mode is automatic. Enabling this feature allows manual brightness adjustment.                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                         |
| ASCR        | On / Off              | Turns on/off the ASCR (ASUS Smart Contrast Ratio) function.                                                                                                                                                                                                                                                      | This function is not available in sRGB mode.                                                                                                                                                                                                                            |

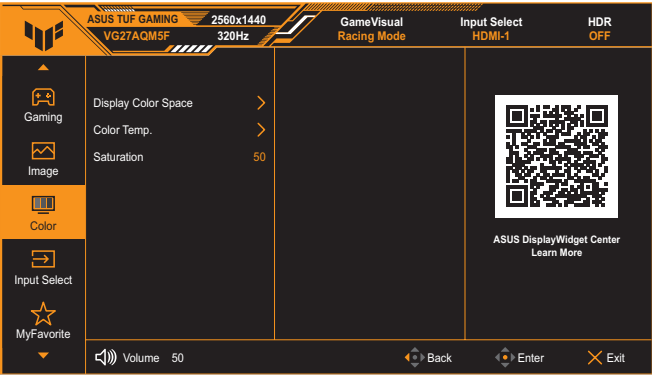
| Menu Option    |                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Remark |
|----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Aspect Control | 16:9/<br>Square | <p>Select the aspect ratio and adjust the screen position.</p> <p><u>16:9 Full</u><br/>Fills the screen by stretching the image without preserving the aspect ratio. The image becomes larger but may distort, affecting the viewing experience.</p> <p><u>16:9 24.5" Simulation</u><br/>Displays the image at a 24.5-inch size, maintaining the aspect ratio without distortion, but the image appears smaller.</p> <p><u>16:9 Pixel by Pixel</u><br/>16:9 native mode maps pixels directly, keeping clarity and aspect ratio. Low resolution images may show black borders.</p> <p><u>Square Full</u><br/>Stretches the image to fill the entire screen without preserving the aspect ratio. The image becomes larger but may be distorted, affecting the viewing experience.</p> <p><u>Square Equivalent</u><br/>Scales the image up while maintaining the original aspect ratio to avoid distortion, but may result in black borders.</p> <p><u>Square Pixel by Pixel</u><br/>Displays the image at its original resolution without scaling or stretching.</p> |        |

| Menu Option       |           | Description                                                                                                                                                                                                                                                                                                                                                                                                 | Remark                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Blue Light Filter | Level 0   | No change.                                                                                                                                                                                                                                                                                                                                                                                                  | <p>Please refer to the following to alleviate eye strains:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• To minimize eye strain and dryness in your eyes, users should rest the eye periodically by focusing on objects that are far away.</li> <li>• 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.</li> <li>• High energy blue light may lead to eye strain and AMD (Age-Related Macular Degeneration). Blue light Filter to reduce 70% (max.) harmful blue light to avoid CVS (Computer Vision Syndrome).</li> </ul> |
|                   | Level 1~4 | <p>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 optimized setting. It is compliance with TUV Low Blue Light Software Solution Certification. The Brightness function is not user-configurable.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Menu Option |                                            | Description                                                                                | Remark |
|-------------|--------------------------------------------|--------------------------------------------------------------------------------------------|--------|
| SmartPixel  | Level 3 /<br>Level 2 /<br>Level 1 /<br>OFF | Enhances overall image details in real time for clearer and more vivid visuals.            |        |
| VividPixel  | 0 to 100                                   | Enhances the outline of the displayed picture and generates high-quality images on screen. |        |

3. Color

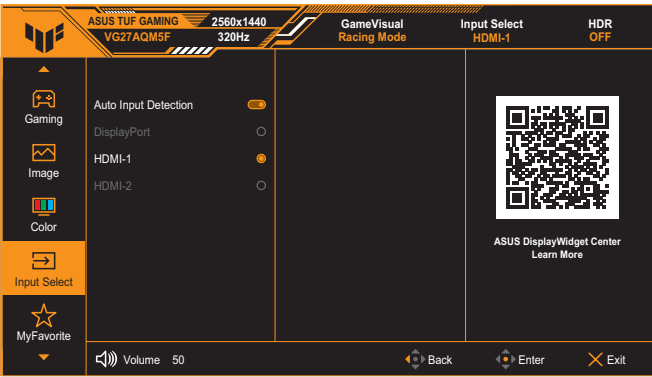
Set a desired color setting from this menu.



| Menu Option         |                                  | Description                                                   | Remark                            |
|---------------------|----------------------------------|---------------------------------------------------------------|-----------------------------------|
| Display Color Space | sRGB / DCI-P3 / Wide Gamut       | Selects the color space for the monitor color output.         |                                   |
| Color Temp.         | Warm / Normal / Cool / User Mode | Contains 4 modes including Warm, Normal, Cool, and User Mode. | User R/G/B: Adjustable from 0~100 |
| Saturation          | 0 to 100                         | Adjusts the saturation level.                                 |                                   |

4. Input Select

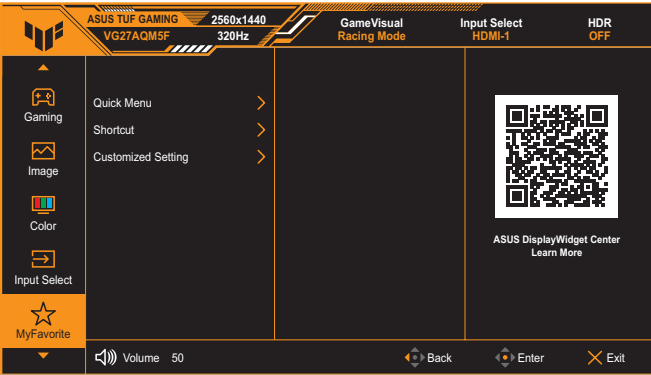
In this function, you can select your desired input source or allow to automatically detect the input source.



| Menu Option          |          | Description                                                                        | Remark |
|----------------------|----------|------------------------------------------------------------------------------------|--------|
| Auto Input Detection | On / Off | Once turned on, it automatically detects the signal and switches the input source. |        |
| DisplayPort          |          | Select DisplayPort as the video input source.                                      |        |
| HDMI-1               |          | Select HDMI-1 as the video input source.                                           |        |
| HDMI-2               |          | Select HDMI-2 as the video input source.                                           |        |

5. MyFavorite

Assign a function to the Quick Menu and shortcut button, save the current system configurations, or restore the system configuration.

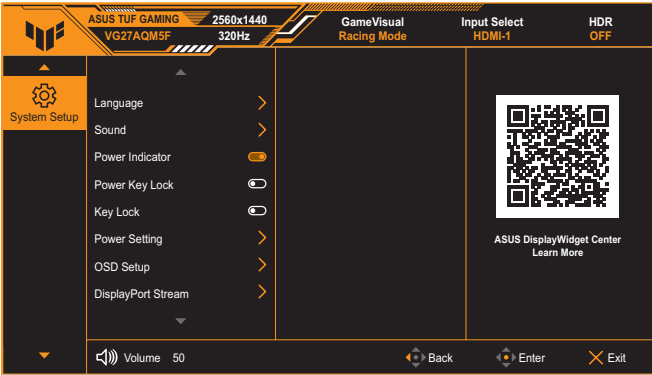


| Menu Option |                               | Description                                                                                  | Remark                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|-------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quick Menu  | Mode1 / Mode2 / Mode3 / Mode4 | The Quick Menu provides 4 customizable shortcuts for easy access to frequently used settings | <ul style="list-style-type: none"><li>• The available functions include: GameVisual, ELMB, Shadow Boost, Saturation, Brightness, Variable Refresh Rate, Contrast, Input Select, VividPixel, Variable OD, ColorTemp.</li><li>• To keep the Quick Menu shorter, you can select None to hide a shortcut.</li><li>• Do not assign the same function to multiple positions. A Shortcut will be grayed out if it is not supported in the current mode.</li></ul> |

| Menu Option        |                            | Description                                       | Remark                                                                                                                                                                                                                                                                                                                   |
|--------------------|----------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shortcut           | Shortcut 1 /<br>Shortcut 2 | Sets the shortcut functions for shortcut buttons. | When a certain function is selected or activated, your shortcut button may not be supported. Available function choices: GamePlus, GameVisual, Variable OD, Brightness, Mute, Shadow Boost, Contrast, Input Select, HDR Setting, Blue Light Filter, Color Temp., Volume, Customized Setting-1, and Customized Setting-2. |
| Customized Setting | Setting 1 /<br>Setting 2   | Loads/Saves all settings on the monitor.          |                                                                                                                                                                                                                                                                                                                          |

## 6. System Setup

Adjust the system configuration.



| Menu Option     |                                      | Description                                                                                                                                                                                                                                                                        | Remark |
|-----------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Language        | Language Selection                   | Selects an available language for the OSD menu.                                                                                                                                                                                                                                    |        |
| Sound           | Volume                               | Adjusts the volume level from 0 to 100.                                                                                                                                                                                                                                            |        |
|                 | Mute                                 | If checked, mutes the volume.                                                                                                                                                                                                                                                      |        |
| Power Indicator | On / Off                             | Turns the power LED indicator on/off.                                                                                                                                                                                                                                              |        |
| Power Key Lock  | On / Off                             | Enables or disables the power key.                                                                                                                                                                                                                                                 |        |
| Key Lock        | On / Off                             | Enable this function to disable all function keys. Press the Navigation button down for more than five seconds to cancel the key lock function.                                                                                                                                    |        |
| Power Setting   | Performance Mode / Power Saving Mode | Sets the power mode.<br><u>Performance Mode</u><br>Offers better performance but consumes more power.<br><u>Power Saving Mode</u><br>Limits brightness and features to save energy. HDR must be turned off before enabling this; a reminder will appear when adjusting brightness. |        |

| Menu Option        |                                      | Description                                                                                                                                                                                  | Remark |
|--------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| OSD Setup          | OSD Position                         | Sets the OSD menu position.                                                                                                                                                                  |        |
|                    | OSD Timeout                          | Adjusts the OSD timeout from 10 to 120 seconds.                                                                                                                                              |        |
|                    | Transparency                         | Adjusts the OSD background from opaque to transparent.                                                                                                                                       |        |
|                    | DDC/CI                               | Enables or disables the DDC/CI function.                                                                                                                                                     |        |
| DisplayPort Stream | DisplayPort 1.2 / or DisplayPort 1.4 | Selects DisplayPort 1.2 or DisplayPort 1.4 according to the graphic card DP version.                                                                                                         |        |
| DSC Support        | On / Off                             | Enables/Disables the DSC (Display Stream Compression) function.                                                                                                                              |        |
| ASUS Power Sync    | On / Off                             | Optimizes the performance of ASUS NUC devices by eliminating cable clutter, enhancing power delivery efficiency, and providing superior device connectivity for an improved user experience. |        |
| Information        |                                      | Shows the monitor information.                                                                                                                                                               |        |
| All Reset          | YES / NO                             | Select YES to revert all settings to the factory default mode.                                                                                                                               |        |

## 3.2 Specifications

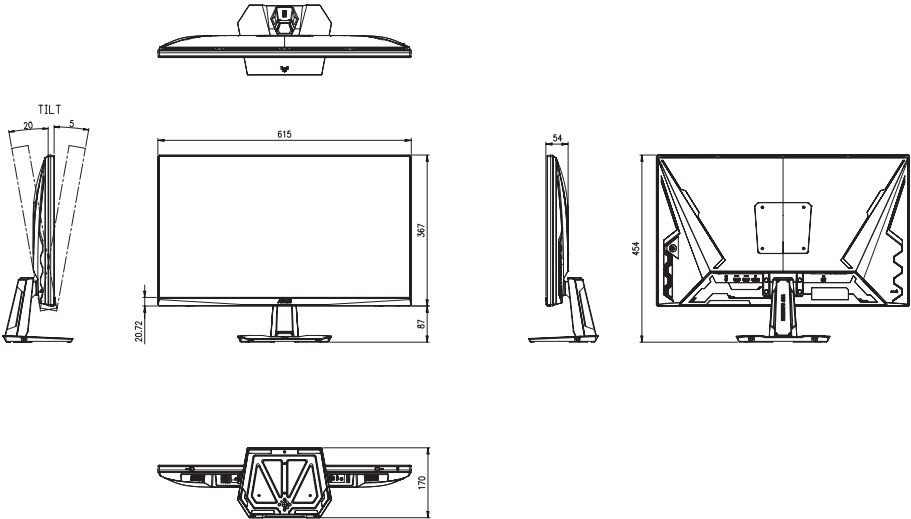
| Model                            | VG27AQM5F                                                                |
|----------------------------------|--------------------------------------------------------------------------|
| Panel type                       | TFT LCD                                                                  |
| Panel size                       | 27.0 inches (68.6 cm) diagonal                                           |
| Max. resolution                  | 2560 (H) x 1440 (V) pixels                                               |
| Brightness (max.)                | 300 cd/m <sup>2</sup>                                                    |
| Intrinsic Contrast Ratio (max.)  | 1300 :1                                                                  |
| Dynamic Contrast Ratio (max.)    | ≥ 100,000,000:1                                                          |
| Viewing angle (CR ≤ 10)          | ≥ 178°(V); ≥ 178°(H)                                                     |
| Display colors                   | 1.07B (8 bit + FRC)                                                      |
| Response time (typ.)             | 0.3 ms GTG                                                               |
| Color temperature selection      | 4 color temperatures                                                     |
| Digital input                    | HDMI v2.1 x2, DisplayPort v1.4 x1, Audio out x1                          |
| Earphone jack                    | Yes                                                                      |
| Audio input                      | No                                                                       |
| Speaker (built-in)               | 2W x2                                                                    |
| Colors                           | Black                                                                    |
| Power LED                        | White (On)/Amber (Standby)                                               |
| Tilt                             | +20° ~ -5°                                                               |
| Pivot                            | No                                                                       |
| Swivel                           | No                                                                       |
| Height adjustment                | No                                                                       |
| VESA wall mounting               | 100 x 100 mm                                                             |
| Kensington lock                  | Yes                                                                      |
| Voltage rating                   | AC 100 ~ 240V at 50/60Hz                                                 |
| Power consumption                | < 31W**                                                                  |
| Standby power consumption        | < 0.5 W                                                                  |
| Power off power consumption      | < 0.3 W                                                                  |
| Temperature                      | Operating temperature: 0 ~ 40°C<br>Non-operating temperature: -20 ~ 60°C |
| Dimension (W x H x D) with stand | 61.50 x 45.50 x 17.00 cm                                                 |

| Model                               | VG27AQM5F                                                                                                                                                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension (W x H x D) without stand | 61.50 x 36.70 x 5.40 cm                                                                                                                                                                                                                                      |
| Box dimension (W x H x D)           | 67.50 x 43.70 x 13.50 cm                                                                                                                                                                                                                                     |
| Net weight (Esti.) with stand       | 4.5±0.5 kg                                                                                                                                                                                                                                                   |
| Net weight (Esti.) without stand    | 3.6 ±0.5 kg                                                                                                                                                                                                                                                  |
| Gross Weight (Esti.)                | 5.6±0.5 kg                                                                                                                                                                                                                                                   |
| Muti-language                       | 23 Languages (English, French, German, Spanish, Italian, Dutch, Russian, Polish, Czech, Croatian, Hungarian, Romanian, Portuguese, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Persian, Thai, Indonesian, Ukrainian, and Vietnamese) |
| Accessories                         | Power Cord, DP cable, Warranty Card, QSG                                                                                                                                                                                                                     |
| Compliance and Standards            | cTUVus, CU, CB, CE, ErP, FCC,CEC, CCC,RCM, BSMI, VCCI, PSB, RoHS, J-MOSS, VN MEPS, WEEE, PSE, Windows 10/11 WHQL, CEL(L2), KC, KCC, KMEPS (Korea MEPS),TUV flicker free and low blue light, HDMI, DP, ICES-003, UkrSEPRO, Ukraine Energy, SIOC, PC Recycle   |

\*Specifications subject to change without notice.

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

### 3.3 Outline dimensions



## 3.4 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><li>• Check Power Indicator function in main menu OSD. Select <b>ON</b> to turn on power LED.</li></ul> |
| The power LED lights amber 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 Reset via OSD.</li><li>• Select the appropriate Color Temperature via OSD.</li></ul>                                                                                                                                                                          |
| No sound or sound is low                                       | <ul style="list-style-type: none"><li>• Adjust the volume settings of both your monitor and computer.</li><li>• Make sure the computer sound card driver is properly installed and activated.</li></ul>                                                                                                                                                                                        |

## 3.5 Supported timing list

| Resolution Frequency |                   |
|----------------------|-------------------|
| HDMI                 | DP                |
| 640x480 @ 60Hz       | 640x480 @ 60Hz    |
| 640x480 @ 75Hz       | 640x480 @ 75Hz    |
| 720x480 @ 60Hz       | 720x480 @ 60Hz    |
| 720x576 @ 50Hz       | 720x576 @ 50Hz    |
| 800x600 @ 60Hz       | 800x600 @ 60Hz    |
| 800x600 @ 75Hz       | 800x600 @ 75Hz    |
| 1024x768 @ 60Hz      | 1024x768 @ 60Hz   |
| 1024x768 @ 75Hz      | 1024x768 @ 75Hz   |
| 1280x720 @ 50Hz      | 1280x720 @ 50Hz   |
| 1280x720 @ 60Hz      | 1280x720 @ 60Hz   |
| 1280x960 @ 60Hz      | 1280x960 @ 60Hz   |
| 1280x1024 @ 60Hz     | 1280x1024 @ 60Hz  |
| 1600x1200 @ 60Hz     | 1600x1200 @ 60Hz  |
| 1920x1080 @ 24Hz     | 1920x1080 @ 24Hz  |
| 1920x1080 @ 25Hz     | 1920x1080 @ 25Hz  |
| 1920x1080 @ 30Hz     | 1920x1080 @ 30Hz  |
| 1920x1080 @ 50Hz     | 1920x1080 @ 50Hz  |
| 1920x1080 @ 60Hz     | 1920x1080 @ 60Hz  |
| 1920x1080 @ 100Hz    | 1920x1080 @ 100Hz |
| 1920x1080 @ 120Hz    | 1920x1080 @ 120Hz |
| 1920x1080 @ 240Hz    | 1920x1080 @ 240Hz |
| 1920x1080 @ 320Hz    | 1920x1080 @ 320Hz |
| 2560x1440 @ 60Hz     | 2560x1440 @ 60Hz  |
| 2560x1440 @ 120Hz    | 2560x1440 @ 120Hz |
| 2560x1440 @ 144Hz    | 2560x1440 @ 144Hz |
| 2560x1440 @ 240Hz    | 2560x1440 @ 165Hz |
| 2560x1440 @ 320Hz    | 2560x1440 @ 240Hz |
| 3840x2160 @ 24Hz     | 2560x1440 @ 320Hz |
| 3840x2160 @ 25Hz     |                   |
| 3840x2160 @ 30Hz     |                   |
| 3840x2160 @ 50Hz     |                   |
| 3840x2160 @ 60Hz     |                   |
| 3840x2160 @ 100Hz    |                   |
| 3840x2160 @ 120Hz    |                   |