VA327 Series
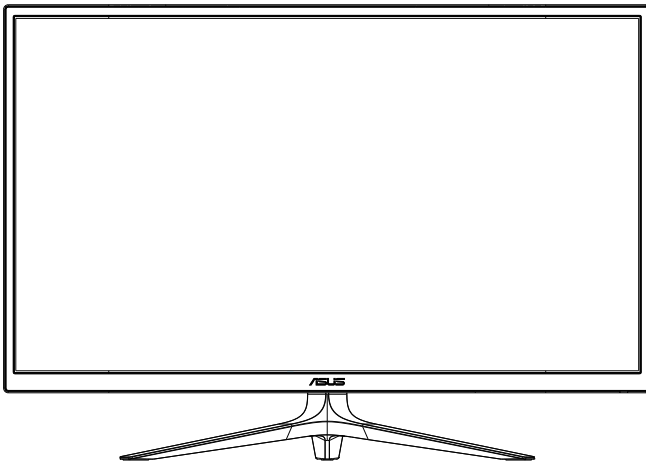# LCD Monitor

User Guide

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Table of contents

Notices (only for VA327H)

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. This device must accept any interference received including interference that may cause undesired operation.
- This device may not cause harmful interference. 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 manufacturer's 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 to 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.

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.

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.
- The socket-outlet shall be installed near the equipment and shall be easily accessible
- If you encounter technical problems with the monitor, contact a qualified servic er.
- Provide an earthing connection before the mains plug is connected to the mains. And, when disconnecting the earthing connection, be sure to disconnect after pulling out the mains plug from the mains.

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 LCD. 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.

1.1 Welcome

Thank you for purchasing the ASUS® LCD monitor!

The latest widescreen LCD monitor from ASUS provides a crisper, broader, and brighter 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 you!

1.2 Package contents

Check your package for the following items:

- ✓ LCD Monitor

- ✓ Quick Start Guide

- ✓ Warranty Card

- ✓ 1x Power Cord

- ✓ 1x VGA Cable (option)

- ✓ 1x DVI Cable (option)

- ✓ 1x Audio Cable (option)

- ✓ 1x HDMI Cable (option)

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

1.3   Assembling the monitor

Assembling the monitor:

1.   Unpack and remove the monitor, and place it flat on the table.

2.   Adjust the monitor to the angle that is most comfortable for you.

-5˚~ 10˚
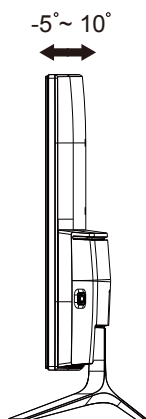
1.4 Connect cables

1.4.1 Rear of the LCD monitor
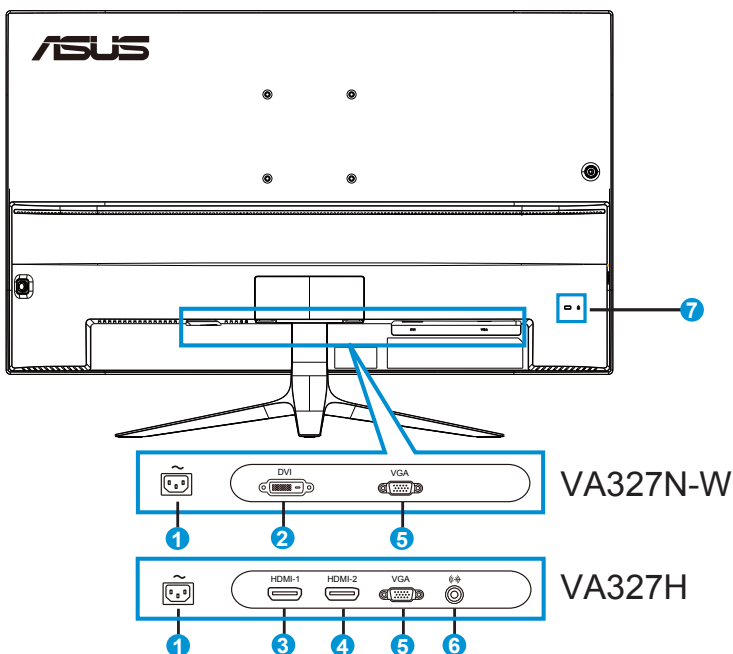
1. AC current input port
2. DVI Port
3. HDMI-1 Port
4. HDMI-2 Port
5. VGA Port
6. Audio input
7. Kensington Lock

1.5 Monitor introduction

1.5.1 Using the Controls button

Use the control button on the back of the monitor to adjust the image settings.

VA327N-W

VA327H
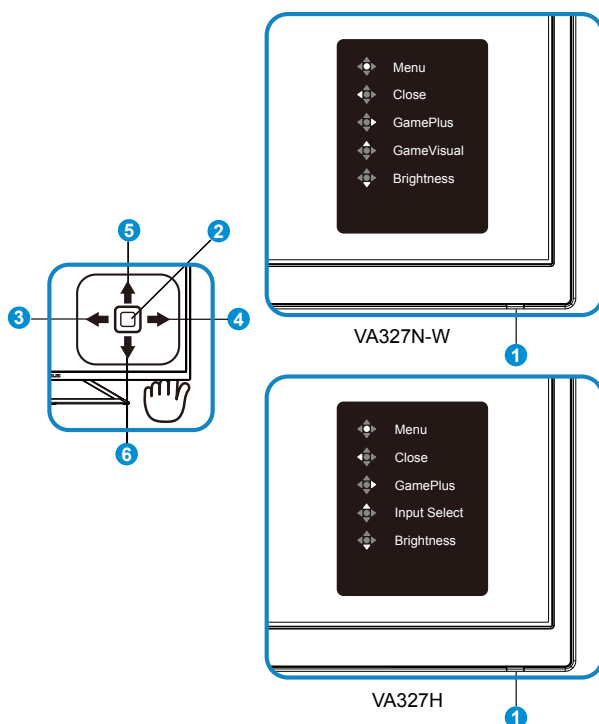
1. Power Indicator:

    •   The color definition of the power indicator is as the below table.

Status	Description
White	ON
Orange	Standby mode

2. Central Button:

    •   Press this button to enter the OSD menu.

    •   Press this button to turn the monitor on/off. Short press to power on button when turning the device off, and long press for 3 seconds in screen display to enter the shutdown option.

3. Left Button:
   - Exit the OSD menu or return to the previous layer.

4. Right Button:
   - GamePlus shortcut key.
   - Enter the option of the next layer.

5. Up Button:
   - GameVisual shortcut key (VA327N-W).
   - Input Select the shortcut key (VA327H).
   - Move the option upwards or increase the option value.

6. Down Button:
   - Brightness shortcut key.
   - Move the option downwards or decrease the option value.
   - Key Lock shortcut key (press 5 seconds, press the key to lock; then press and hold it for 5 seconds, press the key to unlock).

2.1   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.
- You can adjust the monitor's angle from +10° to -5°.

-5˚~ 10˚
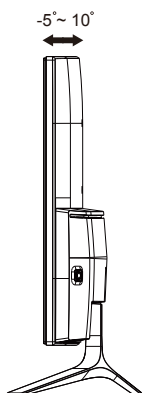
It is normal that the monitor slightly shakes while you adjust the viewing angle.

3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure
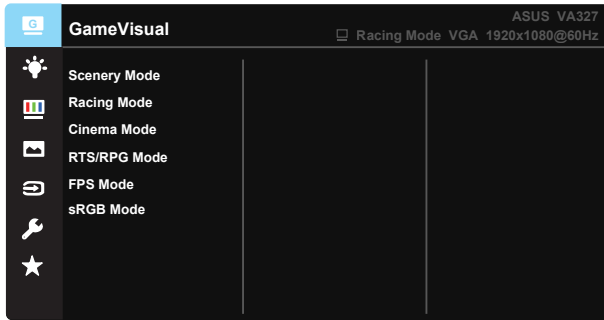
1. Press the Central button to display the OSD menu.

2. Press the Up and Down buttons to toggle between options in the Menu. As you move from one icon to another, the option name is highlighted.

3. To select a highlighted item from the menu, press the right button or the central button.

4. Press the Up and Down buttons to select the desired parameter.

5. Press the right button or the central button to enter the slide bar, and then use the Up or Down buttons (depending on the indicators in the menu) to make changes.

6. Press the Left button to return to the previous menu.

3.1.2   OSD Function Introduction

1.   GameVisual

This function contains six sub-functions that you can select for your preference. Each mode has the Reset selection, allowing you to maintain your setting or return to the preset mode.

```
┌──────────────────────────────────────────────────────┐
│ G                                          ASUS  VA327 │
│     GameVisual        □ Racing Mode  VGA  1920x1080@60Hz│
│                                                        │
│     Scenery Mode                                       │
│     Racing Mode                                        │
│     Cinema Mode                                        │
│     RTS/RPG Mode                                       │
│     FPS Mode                                           │
│     sRGB Mode                                          │
│                                                        │
│ ★                                                      │
└──────────────────────────────────────────────────────┘
```
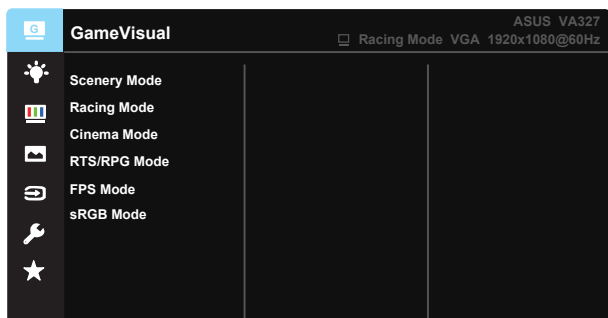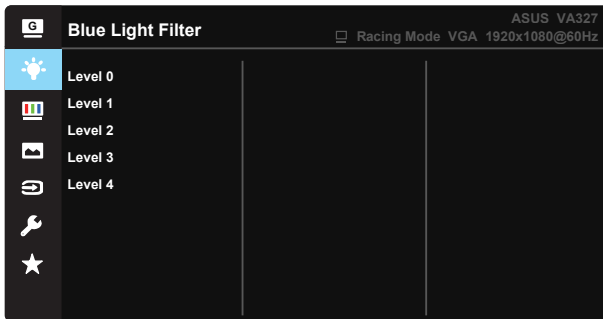
- **Scenery Mode**: This is the best choice for scenery photo displaying with GameVisual™ Video Intelligence Technology.

- **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 when you use the GameVisual™ video intelligence technology to play a real-time strategy game (RTS)/role-playing game (RPG).

- **FPS Mode**: This is the best choice when you use the GameVisual™ video intelligence technology to play first-person shooter games.

- **sRGB Mode**: This is the best choice for viewing photos and graphics from PCs.

> • In the Racing Mode, the Saturation, Skin Tone, Sharpness, and ASCR functions are not user-configurable.
>
> • In the sRGB, the Saturation, Color Temp., Skin Tone, Sharpness, Brightness, Contrast and ASCR functions are not user-configurable.

2. **Blue Light Filter**

   Adjust the energy level of blue light emitted from LED backlight.

Blue Light Filter	ASUS VA327 🖵 Racing Mode VGA 1920x1080@60Hz

   Level 0
   Level 1
   Level 2
   Level 3
   Level 4

   • **Level 0**: No change.
   • **Level 1~4**: The higher the level,the more blue light will be reduced.

   • When Blue Light Filter is activated,the default settings of Standard 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 Certification. The Brightness function is not user-configurable.

   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, users should rest the eye periodically by focusing on objects that are far away.
   • Eye exercises can help to reduces 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 to reduce 70% (max.) harmful blue light to avoiding CVS (Computer Vision Syndrome).

3. Color

Select the image color you like from this function.
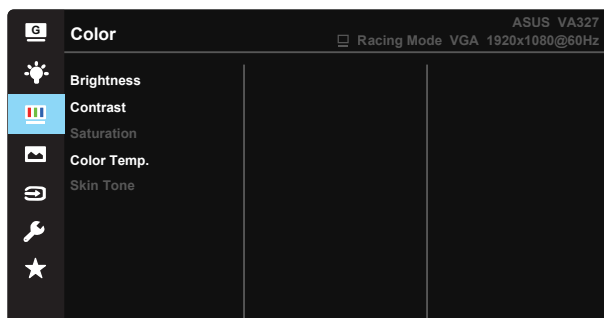
- **Brightness**: The adjusting range is from 0 to 100.
- **Contrast**: The adjusting range is from 0 to 100.
- **Saturation**: The adjusting range is from 0 to 100.
- **Color Temp.**: Contains three preset color modes (**Cool**, **Normal**, **Warm**) and **User** Mode.
- **Skin Tone**: Contains three color modes including **Reddish**, **Natural**, and **Yellowish**.

- In the User Mode, colors of R (Red), G (Green), and B (Blue) are user-configurable; the adjusting range is from 0 ~ 100.

4. Image

You can adjust the image Sharpness, Trace Free, Aspect Control, VividPixel, ASCR, Position (VGA only), Focus (VGA only), and Auto Adjust (VGA only), from this main function.
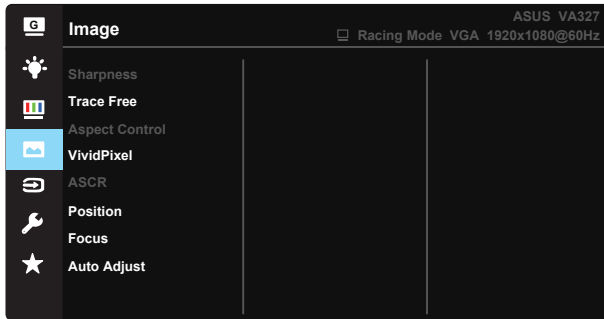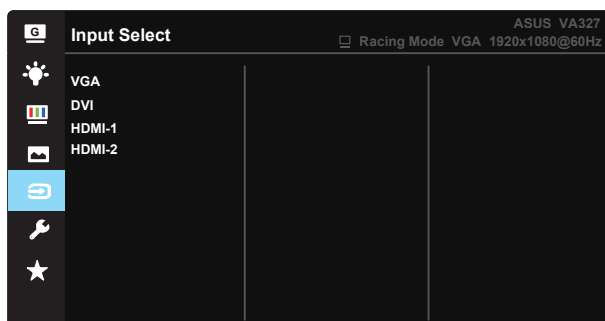

- **Sharpness**: Adjusts the picture sharpness. The adjusting range is from 0 to 100.
- **Trace Free**: Speeds up the response time by Over Drive technology. The adjusting range is from lower 0 to faster 100.
- **Aspect Control**: Adjusts the aspect ratio to "**Full**", "**4:3**", "**Overscan**".
- **VividPixel**: ASUS Exclusive Technology that brings lifelike visuals for crystal-clear and detail-oriented enjoyment. The adjusting range is from 0 to 100.
- **ASCR**: Select **ON** or **OFF** to enable or disable dynamic contrast ratio function.
- **Position**: Adjusts the horizontal position (**H-Position**) and the vertical position (**V-Position**) of the image. The adjusting range is from 0 to 100 (Only available for VGA input).
- **Focus**: Reduces Horizonal-line noise and Vertical-line noise of the image by adjusting (**Phase**) and (**Clock**) separately. The adjusting range is from 0 to 100 (Only available for VGA input).
- **Auto Adjust**: Automatically adjust the image to its optimized position, clock, and phase. (Only available for VGA input.)

- 4:3 is only available when input source is in 4:3 format.
- Phase adjusts the phase of the pixel clock signal. With a wrong phase adjustment, the screen shows horizontal disturbances.
- Clock (pixel frequency) controls the number of pixels scanned by one horizontal sweep. If the frequency is not correct, the screen shows vertical stripes and the image is not proportional.
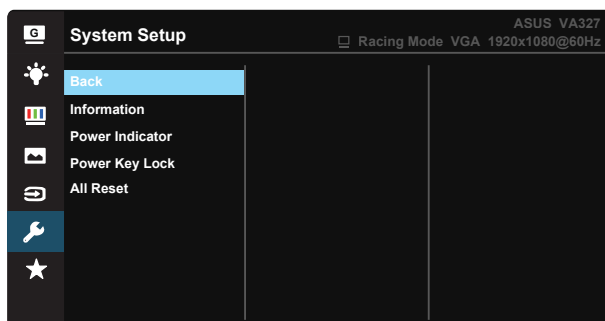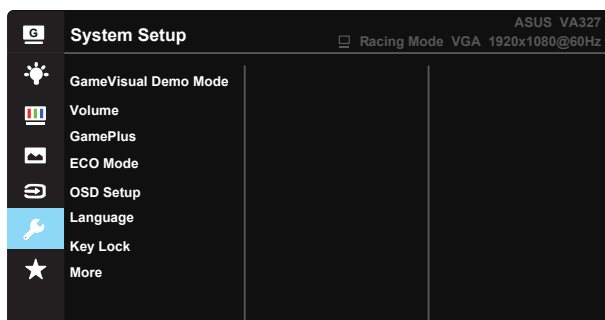
5. **Input Select**

   Select the input source in the input signals from **VGA, DVI (VA327N-W), HDMI-1 (VA327H), HDMI-2 (VA327H)**.

   | | ASUS VA327 |
   | **Input Select** | Racing Mode VGA 1920x1080@60Hz |

   VGA
   DVI
   HDMI-1
   HDMI-2

6. **System Setup**

   Adjusts the system configuration.

   | | ASUS VA327 |
   | **System Setup** | Racing Mode VGA 1920x1080@60Hz |

   GameVisual Demo Mode
   Volume
   GamePlus
   ECO Mode
   OSD Setup
   Language
   Key Lock
   More

   | | ASUS VA327 |
   | **System Setup** | Racing Mode VGA 1920x1080@60Hz |

   Back
   Information
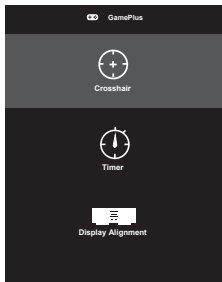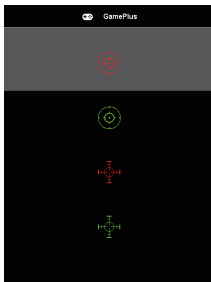   Power Indicator
   Power Key Lock
   All Reset

   • **GameVisual Demo Mode**: Activate the demo mode for the Splendid function.

- **Volume**: Adjusts the output volume level (VA327H).
- **GamePlus**: The GamePlus Function provides a toolkit and creates a better gaming environment for users when playing different types of games. Particularly, Crosshair function is specially designed for new gamers or beginners interested in First Person Shooter (FPS) games.

  To active GamePlus:

  - Select **ON** to enter the GamePlus main menu.
  - Press the Up and Down buttons to select Crosshair, Timer or display alignment.
  - Press the Central button to confirm the functions you choose. Press the left button to return, left, and exit.

GamePlus main menu	GamePlus-Crosshair	GamePlus main-Timer

- **ECO Mode**: Activate the ecology mode for power saving.
- **OSD Setup**: Adjusts the **OSD Timeout**, **DDC/CI**, and **Transparency** of the OSD screen.
- **Language**: Select OSD language. The selections are: **English, French, German, Spanish, Italian, Dutch, Russian, Poland, Czech, Croacia, Hungary, Romania, Portugal, Turkey, Simplified Chinese, Traditional Chinese, Japanese, Korean, Persian, Thai, and Indonesian**.
- **Key Lock**: Disable all key functions. Press the key for more than 5 seconds to disable the key lock function.
- **More**: Return the next page of System Setting.
- **Back**: Return the previous page of System Setting.
- **Information**: Displays the monitor information.
- **Power Indicator**: Turn the power LED indicator on/off.
- **Power Key Lock**: To disable / enable power key.
- **All Reset**: Selects "**Yes**" to revert all settings to the factory default mode.

7. MyFavorite

Load/save all settings of the monitor.
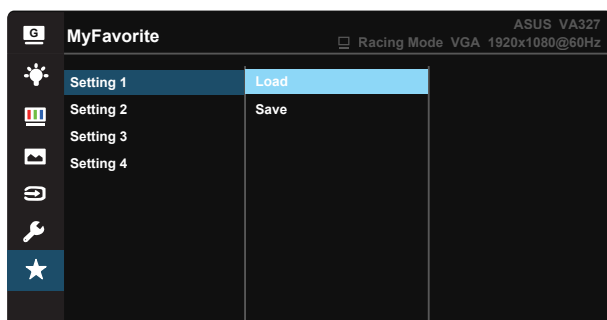
3.2   Specifications

Model	VA327N-W	VA327H
Panel Size	31.5"W (80.1 cm)	
Max. Resolution	1920x1080	
Brightness (Typ.)	300cd/m²	
Intrinsic Contrast Ratio (Typ.)	3000:1	
Viewing Angle (CR>10)	178°(V) / 178°(H)	
Display Colors	16.7 M (8bit)	
Response Time	4ms (G To G)	
D-Sub input	Yes	
DVI input	Yes	No
HDMI input	No	Yes x 2
Audio input	No	Yes
Power ON Consumption	< 50 W (Max.)	
Chassis Colors	Front shell (Black), Rear shell (White)	Front shell (Black), Rear shell (Black)
Power saving mode	< 0.5W	
Power off mode	< 0.5W	
Tilt	-5° ~ +10°	
VESA Wall-mounted	Yes (100mm x 100mm)	
Phys. Dimension with stand (WxHxD)	721.2 x 502.67 x 201.05 mm	
Phys. Dimension without stand (WxHxD)	721.2 x 432.67 x 94.97 mm	
Box Dimension (WxHxD)	837 x 610 x 268 mm	
Net Weight (Esti.)	8.0 kg	
Gross Weight (Esti.)	11.5 kg	
Voltage Rating	AC 100~240V(Built-in)	

3.3 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	• Press the ⏻ button to check if the monitor is in the ON mode. • Check if the power cord is properly connected to the monitor and the power outlet. • Check Power Indicator function in main menu OSD. Select "ON" to turn on power LED.
The power LED lights orange and there is no screen image	• Check if the monitor and the computer are in the ON mode. • Make sure the signal cable is properly connected to the monitor and the computer. • Inspect the signal cable and make sure that none of the pins are bent. • Connect the computer with another available monitor to check if the computer is properly working.
Screen image is too light or dark	• Adjust the Contrast and Brightness settings via OSD.
Screen image bounces or a wave pattern is present in the image	• Make sure the signal cable is properly connected to the monitor and the computer. • Move electrical devices that may cause electrical interference.
Screen image has color defects (white does not look white)	• Inspect the signal cable and make sure that none of the pins are bent. • Perform Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
No sound or sound is low (VA327H)	• Make sure the audio cable is properly connected to the monitor. • Adjust the volume settings of both your monitor and computer. • Make sure the computer sound card driver is properly installed and activated. • Make sure the audio source is correct on the OSD.

3.4   Supported Timing List

PC Supported Primary Timing

Support Timing table	
Digital	**VGA**
720 x 400 @ 70Hz VGA,IBM	720 x 400 @ 70Hz VGA,IBM
640 x 480 @ 60Hz VGA,IBM	640 x 480 @ 60Hz VGA,IBM
640 x 480 @ 67Hz Apple,Mac II	640 x 480 @ 67Hz Apple,Mac II
640 x 480 @ 72Hz VESA	640 x 480 @ 72Hz VESA
800 x 600 @ 56Hz VESA	800 x 600 @ 56Hz VESA
800 x 600 @ 60Hz VESA	800 x 600 @ 60Hz VESA
800 x 600 @ 72Hz VESA	800 x 600 @ 72Hz VESA
1024 x 768 @ 60Hz VESA	1024 x 768 @ 60Hz VESA
1024 x 768 @ 70Hz VESA	1024 x 768 @ 70Hz VESA
1920 x 1080 @ 60Hz	1280 x 720 @ 60Hz
1280 x 720 @ 60Hz	1280 x 960 @ 60Hz
1280 x 960 @ 60Hz	1280 x 1024 @ 60Hz
1280 x 1024 @ 60Hz	1400 x 1050 @ 60Hz
1400 x 1050 @ 60Hz	1440 x 900 @ 60Hz
1440 x 900 @ 60Hz	1680 x 1050 @ 60Hz
1680 x 1050 @ 60Hz	1920 x 1080 @ 60Hz
1280x720 @ 60Hz	
1440x900 @ 60Hz	

The modes not listed in the above tables may not be supported. For optimal resolution, we recommend that you choose a mode listed in the above tables.