

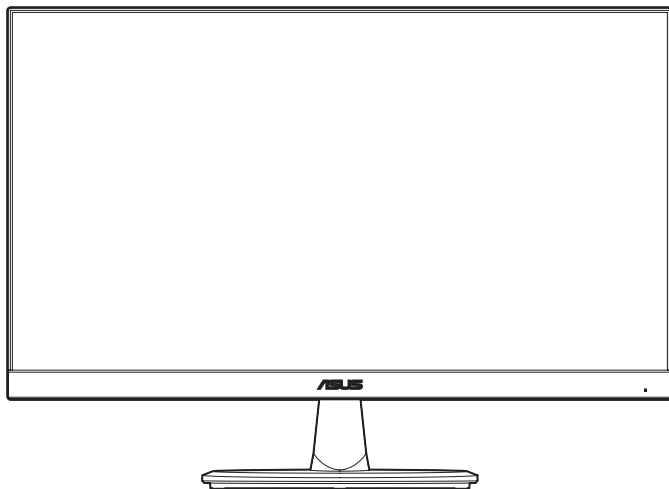


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ASUS®

VP229HF Series LCD Monitor

User Guide



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

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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 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.



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.

ENERGY STAR complied product



Energy STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

All ASUS products with the ENERGY STAR logo comply with the ENERGY STAR standard, and the power management feature is enabled by default. The monitor and computer are automatically set to sleep after 10 and 30 minutes of user inactivity. To wake your computer, click the mouse or press any key on the keyboard. Please visit <http://www.energystar.gov/powermanagement> for detail information on power management and its benefits to the environment. In addition, please visit <http://www.energystar.gov> for detail information on the ENERGY STAR joint program.



NOTE: Energy Star is NOT supported on FreeDOS and Linux-based operating system.

This product implements power management functionality. In case of no signal input after 10 seconds, the product automatically goes to sleep/standby mode.

Canadian Department of Communications Statement

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

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

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

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

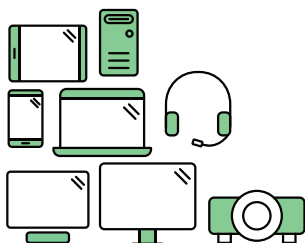


TCO certified

A third-party certification according to ISO 14024



Toward sustainable IT products



Say hello to a more sustainable product

IT products are associated with a wide range of sustainability risks throughout their life cycle. Human rights violations are common in the factories. Harmful substances are used both in products and their manufacture. Products can often have a short lifespan because of poor ergonomics, low quality and when they are not able to be repaired or upgraded.

This product is a better choice. It meets all the criteria in TCO Certified, the world's most comprehensive sustainability certification for IT products. Thank you for making a responsible product choice, that help drive progress towards a more sustainable future!

Criteria in TCO Certified have a life-cycle perspective and balance environmental and social responsibility. Conformity is verified by independent and approved verifiers that specialize in IT products, social responsibility or other sustainability issues. Verification is done both before and after the certificate is issued, covering the entire validity period. The process also includes ensuring that corrective actions are implemented in all cases of factory non-conformities. And last but not least, to make sure that the certification and independent verification is accurate, both TCO Certified and the verifiers are reviewed regularly.

Want to know more?

Read information about TCO Certified, full criteria documents, news and updates at tcocertified.com. On the website you'll also find our Product Finder, which presents a complete, searchable listing of certified products.

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.
- Ensure to connect the power cord to a socket-outlet with earthing connection.
- The supplied power adapter and/or power cable are designed to use with the product only. Do not use with other products.



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

WARNING

- Usage of other than specified head- or earphones can result in hearing loss due to excessive sound pressures.
- Please confirm the distribution system in building installation shall provide the circuit breaker rated 120/240V, 20A (maximum).
- If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.
- Restriction on Hazardous Substances statement (India) This product complies with the "India E-Waste (Management) Rules, 2016" and prohibits use of Lead, Mercury, Hexavalent Chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in concentration exceeding 0.1% by weight in homogenous materials and 0.01% by weight in homogenous materials for cadmium, except of exemptions listed in Schedule 2 of the Rule.
- This product is compliant with requirements of Circular No. 30/2011/TTBCT Regulations "STIPULATING TEMPORARILY THE PERMISSIBLE CONTENT LIMITATION OF SOME TOXIC CHEMICALS IN THE ELECTRONIC, ELECTRICAL PRODUCTS".

AEEE Yönetmeliğine Uygundur

Care & Cleaning

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

The following symptoms are normal with the monitor:

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

Conventions used in this guide



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



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



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



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

Where to find more information

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

1. **ASUS websites**

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

2. **Optional documentation**

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

3. **About Flicker**

https://www.asus.com/Microsite/display/eye_care_technology/

Takeback Services

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

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

Product information for EU energy label



VP229HF

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 you!

1.2 Package contents

Check your package for the following items:

- ✓ LCD Monitor
- ✓ Monitor Arm
- ✓ Monitor Base
- ✓ Quick Start Guide
- ✓ Warranty Card
- ✓ Power Cord
- ✓ HDMI Cable *
- ✓ VGA cable (optional)
- ✓ L-shaped Screwdriver (optional)
- ✓ 2 Screws



-
- If any of the above items is damaged or missing, contact your retailer immediately.
 - * Also the Replaceable parts required by the TCO Certified.
-



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

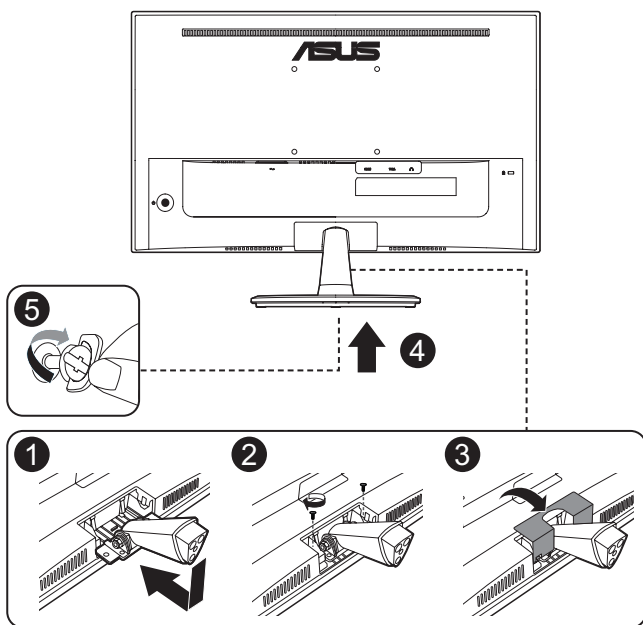
1.3 Assembling the monitor

To assemble the monitor:

1. Place the display on a cloth on the table, Use a screwdriver to tighten the assembly screws, and secure the arm to the display tightly. Then attach the hinge cover to monitor body, attach the base to the arm and fix with the screw to join them tightly. You can easily tighten the screw by fingers.
2. Adjust the monitor to the angle that is most comfortable for you.



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



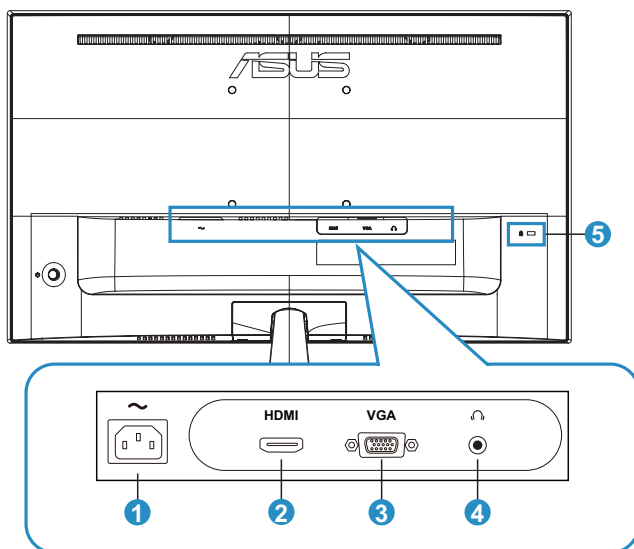
Base screw size: M6 x 17 mm.



Hinge screw size: M4 x 10 mm.

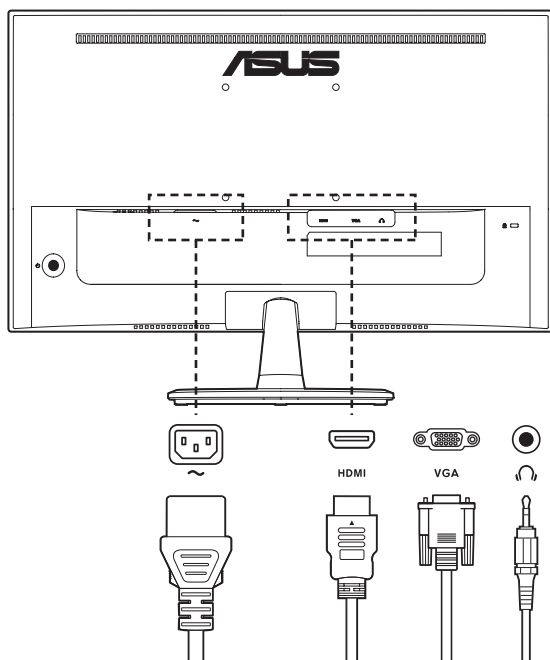
1.4 Connecting the cables

1.4.1 Back view



1. **AC-IN port.** This port connects the power cord.
2. **HDMI port.** This port is for connection with an HDMI compatible device.
3. **VGA port.** This 15-pin port is for PC VGA connection.
4. **Earphone jack.** This port is only available when an HDMI cable is connected.
5. **Kensington lock slot**

Installation



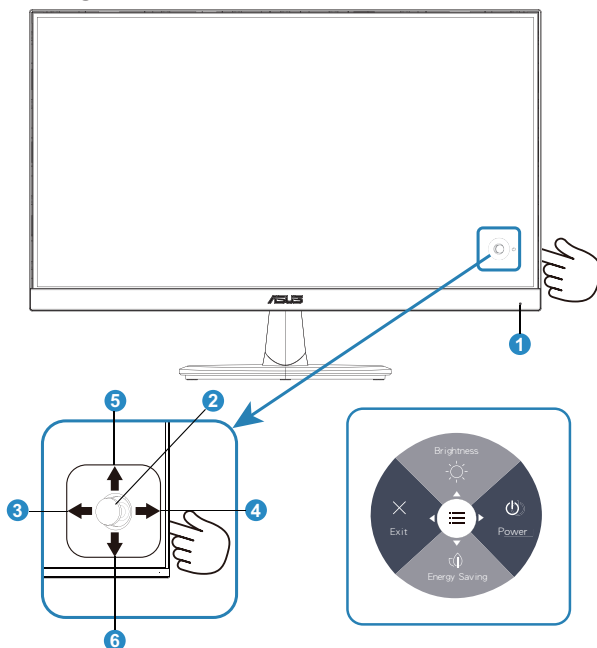
- **To connect the power cord:** Connect one end of the power cord securely to the monitor's AC input port, the other end to a power outlet.
- **To connect the HDMI/VGAcable:**
 1. Plug one end of the HDMI/VGA cable to the monitor's HDMI/VGA port.
 2. Connect the other end of the HDMI/VGA cable to your computer's HDMI/VGA port.
- **To use the earphone:** connect the end with earphone plug to the monitor's earphone jack when an HDMI signal is fed.



- For the installation of replaceable parts, please refer to the above installation instructions.
- Users may go to the local service network to replace/purchase the qualified replaceable parts.
- For local service centers and service contacts, please refer to <https://www.asus.com/support>

1.5 Monitor introduction

1.5.1 Using the Controls button



1. Power indicator

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

Status	Description
White	On
Amber	Standby mode
Off	Off

2. Central button:

- Press this button to enter the OSD menu.

3. Left key:

- Exit the OSD menu or return to the previous layer.

4. Right key:

- Power Off shortcut key.

5. Up key:
 - Brightness shortcut key.
 - Move the option upwards or increase the option value.
6. Down key:
 - Energy Saving shortcut key.
 - Move the option downwards or decrease the option value.
 - Key Lock shortcut key. Press and hold it for 5 seconds to enable/disable Keys Lock.



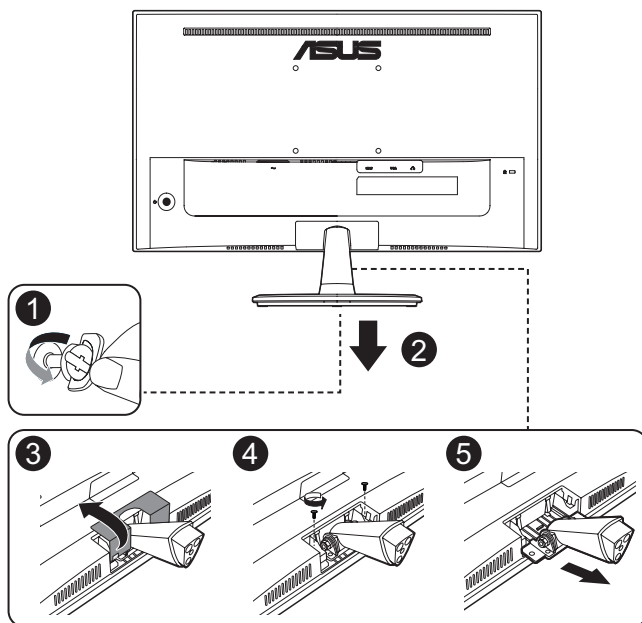
You can press 5-way key any direction to turn on the monitor.

2.1 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. Disconnect power and signal cables. Carefully put the front of the monitor face down on a clean table.
2. Use your fingers to loosen the screw located at the bottom of the base, and remove the base from the stand. And then remove the hinge cover from monitor body by using your fingers.
3. Use a screwdriver to remove the two screw on the arm, and then detach the arm/stand from the monitor.



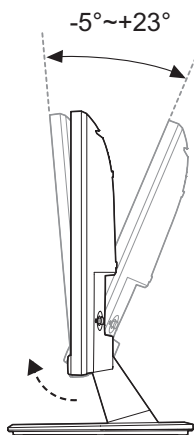
We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.



- The VESA wall mount kit (100 x 100 mm) is purchased separately.
- Use only the UL Listed Wall Mount Bracket with minimum weight/load 12 kg (Screw size: M4 x 10 mm).

2.2 Adjusting the monitor

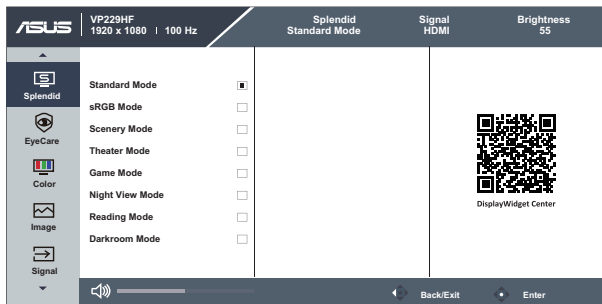
- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- You can adjust the monitor's angle from $+23^{\circ}$ to -5°



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

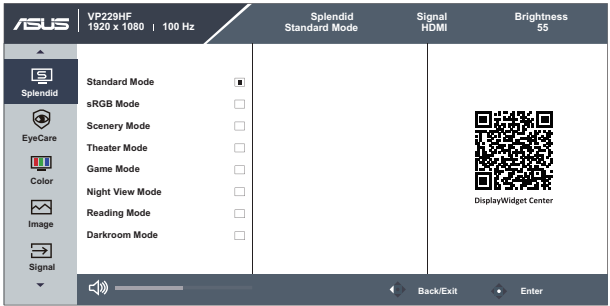


1. Press the MENU button to activate the OSD menu.
2. Press the ▼ and ▲ buttons to toggle between options in the Menu. As you move from one icon to another, the option name is highlighted.
3. To select the highlighted item on the menu press the Central key.
4. Press the ▼ and ▲ buttons to select the desired parameter.
5. Press the Central key to enter the slide bar and then use the ▼ and ▲ buttons, according to the indicators on the menu, to make your changes.

3.1.2 OSD function introduction

1. Splendid

This function contains 8 sub-functions that you can select for your preference.



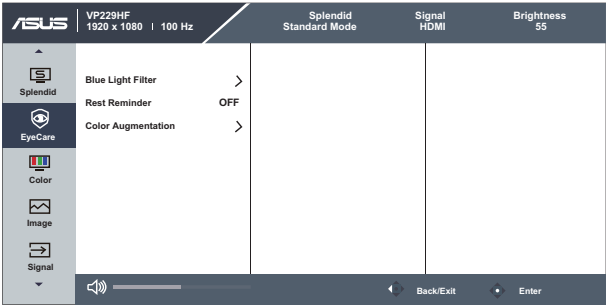
- **Standard Mode:** This is the best choice for document editing with SILENDID™ Video Intelligence Technology.
- **sRGB Mode:** This is the best choice for viewing photos and graphics from PCs.
- **Scenery Mode:** This is the best choice for scenery photo displaying with SILENDID™ Video Intelligence Technology.
- **Theater Mode:** This is the best choice for movie watching with SILENDID™ Video Intelligence Technology.
- **Game Mode:** This is the best choice for game playing with SILENDID™ Video Intelligence Technology.
- **Night View Mode:** This is the best choice for playing dark-scene game or watching dark-scene movie with SILENDID™ Video Intelligence Technology.
- **Reading Mode:** This is the best choice for book reading.
- **Darkroom Mode:** This is the best choice for a weak ambient light environment.



- In the Standard Mode, the Saturation, Sharpness, and ASCR functions are not user-configurable.
- In the sRGB, the Saturation, Color Temp., Sharpness, Brightness, Contrast and ASCR functions are not user-configurable.
- In the Reading Mode, the Saturation, ASCR, contrast, and Color Temp. functions are not user-configurable.

2. Eye Care

Adjust the energy level of Eye Care from LED backlight.



- **Blue Light Filter:** In this function, you can adjust the blue light filter from 0 to Max.
 - **0:** No change.
 - **Max:** The higher the level, the less blue light is scattered. When blue light filter is activated, the default settings of Standard Mode will be automatically imported. Besides maximum level, the brightness is user-configurable. Maximum is the optimized setting. It is in compliance with TUV low blue light certification*. The brightness function is not user configurable.



- When the user adjusts blue light filter bar to maximum level.
- *When color augmentation is in default value (50).

- **Rest Reminder:** This function provides you a rest reminder according to how long you set for your working time. For example, if you set a 30-minute working time and there will be a pop up reminder appeared on the upper left corner of the monitor for 5 seconds when time is up. Press any key to make this reminder OSD disappear.



- When this function is enabled, the following functions are not available: GamePlus, QuickFit.

- **Color Augmentation:** The adjusting range of color enhancement is from 0 to 100.



- This function is not available in sRGB mode under Splendid.

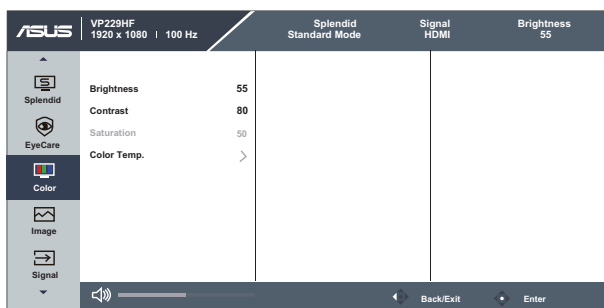


Please refer to the following to alleviate eye strains:

- 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 reduce eye strain. Repeat these exercises often. If eye strain continues please consult a physician. Eye exercises: (1) Repeating look up and down (2) Slowly roll your eyes (3) Move your eyes diagonal.
 - High energy blue light may lead to eye strain and AMD (Age-Related Macular Degeneration). Blue light filter to reduce 70% (max.) harmful blue light to avoiding CVS (Computer Vision Syndrome).
-

3. Color

Select the image color you like from this function.



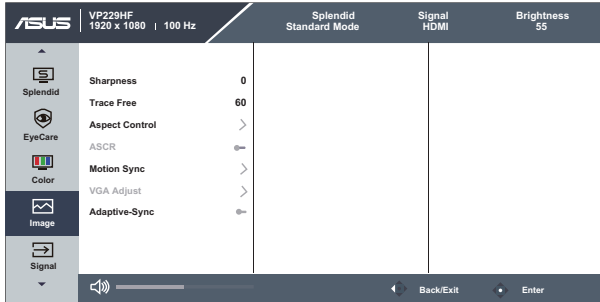
- **Brightness:** The adjusting range is from 0 to 100.
- **Contrast:** The adjusting range is from 0 to 100.
- **Saturation:** The adjusting range is from 0 to 100.
- **Color Temp.:** Contains three preset color modes (**Cool**, **Normal**, **Warm**) and **User Mode**.



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, ASCR, Motion Sync, VGA Adjust (VGA only), and Adaptive-Sync, from this main function.



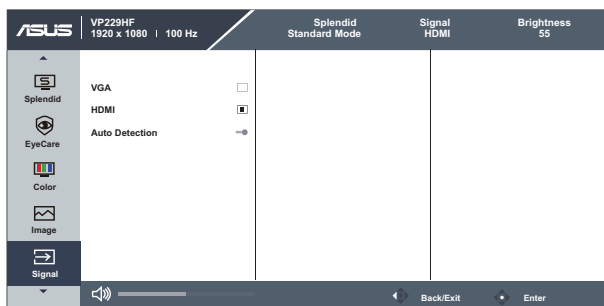
- **Sharpness:** Adjusts the picture sharpness. The adjusting range is from 0 to 100.
- **Trace Free:** Speeds up the response time by Over Drive technology. The adjusting range is from lower 0 to faster 100.
- **Aspect Control:** Adjusts the aspect ratio to “Full” and “1:1 Ratio”.
- **ASCR:** Select **ON** or **OFF** to enable or disable dynamic contrast ratio function.
- **Motion Sync:** Check to decrease motion blur and minimize ghosting part when on-screen objects are fast moving. When this function is turned on, the screen may flash slightly and the brightness will decrease.
- **VGA Adjust:** Adjusts the H Position, V Position, Focus Phase, Focus Clock and Auto of the image. The adjusting range is from 0 to 100. (Only available for VGA input.)
 - **H Position:** Adjusts the horizontal position of the image.
 - **V Position:** Adjusts the vertical position of the image.
 - **Focus Phase:** Reduces Horizontal-line noise and Vertical-line noise of the image by adjusting **Phase** separately.
 - **Focus Clock:** Reduces Horizontal-line noise and Vertical-line noise of the image by adjusting **Clock** separately.
 - **Auto:** Automatically adjust the image to its optimized position, clock, and phase.
- **Adaptive-Sync:** It can allow a 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.



- 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.
- Motion Sync can be turned on at 75Hz and above 75Hz, and Adaptive-Sync is off.

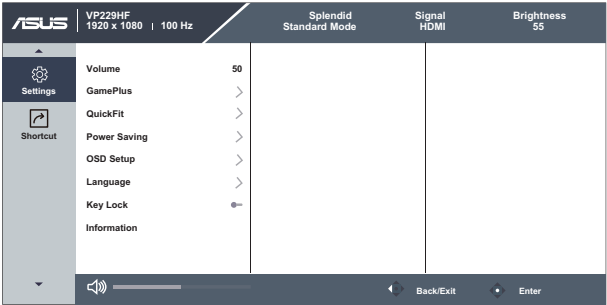
5. Signal

Select the Signal from **VGA**, **HDMI** input signal.







6. Settings














Adjusts the system configuration.

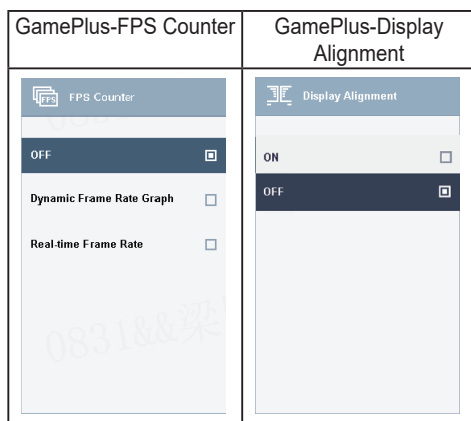


- **Volume:** Adjusts the output volume level.
- **GamePlus:** The GamePlus Function provides a toolkit and creates a better gaming environment for users when playing different types of games. Particularly, Crosshair function is specially designed for new gamers or beginners interested in First Person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

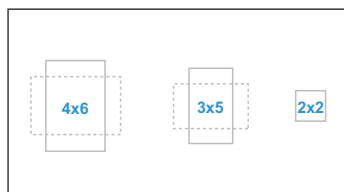
To active GamePlus:

- Press **GamePlus** Button to enter the GamePlus main menu.
- Activate Crosshair, Timer, FPS Counter or Display Alignment function.
- Move the  button up/down to select and press  to confirm the function needed. Press  to go off, and exit.
- Crosshair/Timer/FPS Counter is movable by pressing  5-way key.

GamePlus main menu	GamePlus-Crosshair	GamePlus-Timer
 GamePlus	 Crosshair	 Timer
 Crosshair >	 OFF <input type="checkbox"/>	OFF <input type="checkbox"/>
 Timer >	 Crosshair 1 <input type="checkbox"/>	30:00 <input type="checkbox"/>
 FPS Counter >	 Crosshair 2 <input type="checkbox"/>	40:00 <input type="checkbox"/>
 Display Alignment >	 Crosshair 3 <input checked="" type="checkbox"/>	50:00 <input checked="" type="checkbox"/>
	 Crosshair 4 <input type="checkbox"/>	60:00 <input type="checkbox"/>
	 Crosshair 5 <input type="checkbox"/>	90:00 <input type="checkbox"/>



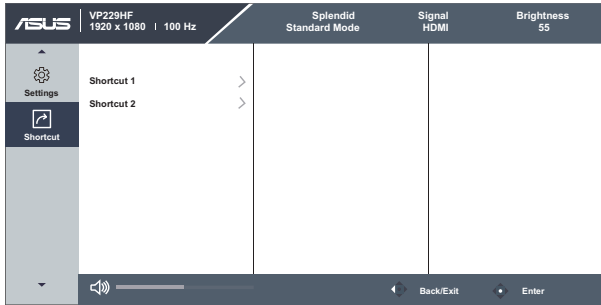
- **QuickFit:** Provides photographers and other users to accurately view and edit their photos (4x6, 3x5, 2x2) in real size on the screen.



- **Power Saving:** Adjusts the “Normal Level” and “Deep Level” for the Power Saving function.
- **OSD Setup:** Adjusts the **OSD Timeout**, **DDC/CI**, and **Transparency** of the OSD screen.
- **Language:** There are 23 languages for your selection, including English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian, Vietnamese
- **Key Lock:** Disable all key functions. Pressing down key for more than five seconds to disable key lock function.
- **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. Shortcut

Selecting this option allows you to set two shortcut keys.



- **Shortcut 1:** User can select from “Blue Light Filter” “Splendid”, “Brightness”, “Contrast”, “Color Temp.”, “Volume”, “GamePlus”, “QuickFit”, “Rest Reminder”, “Color Augmentation”, “Energy Saving” and set as shortcut key. The default setting is Brightness.
- **Shortcut 2:** User can select from “Blue Light Filter” “Splendid”, “Brightness”, “Contrast”, “Color Temp.”, “Volume”, “GamePlus”, “QuickFit”, “Rest Reminder”, “Color Augmentation”, “Energy Saving” and set as shortcut key. The default setting is Energy Saving.

3.2 Specifications

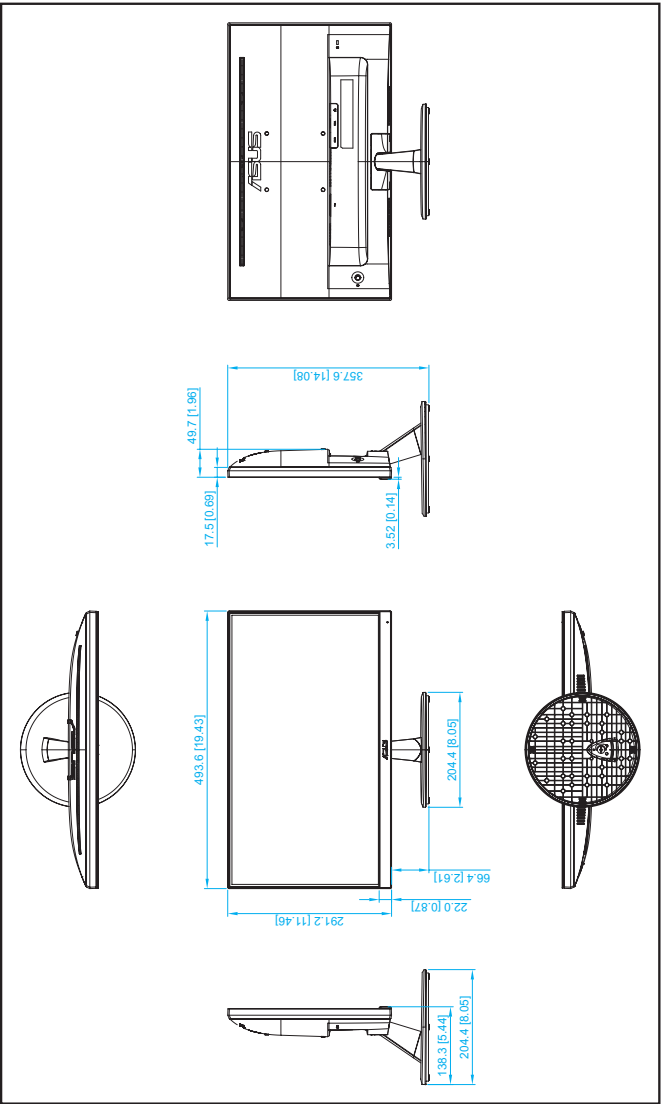
Model	VP229HF
Panel Size	21.45"W (16:9, 54.48 cm) wide screen
Max. Resolution	1920x1080@100Hz
Pixel pitch	0.2493 mm (H) × 0.241 mm (V)
Brightness (Typ.)	250cd/m ²
Contrast Ratio (Typ.)	1000:1
Viewing Angle (CR>10)	178°(H) / 178°(V)
Display Colors	16.7 M colors
Response Time	1ms MPRT, 5ms GTG (with OD)
Color temperature selection	4 color temperatures
HDMI input	Yes
D-Sub input	Yes
Earphone jack	Yes
Audio input	No
Speaker (Built-in)	No
Colors	Black
Power LED	White (On)/Amber (Standby)
Tilt	-5° ~ +23°
VESA Wall Mounting	100mm x 100mm
Kensington lock	Yes
Voltage rating	AC: 100~240V
Power consumption	Power On: 12 W** (Typ), Standby: < 0.5 W (Typ), Power Off: < 0.3 W
Temperature (Operating)	0°C~40°C
Temperature (Non-operating)	-20°C~+60°C
Dimension without stand (WxHxD)	493.6 x 291.2 x 49.7mm
Dimension with stand (WxHxD)	493.6 x 357.6 x 204.4mm
Box Dimension (WxHxD)	555 x 390 x 130 mm
Weight (Esti.)	2.7 kg (Net); 2.3 kg (without stand); 3.8 kg (Gross)

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


**** Power consumption of On Mode as defined in Energy Star 8.0 version.**

3.3 Outline dimensions

Unit: mm [inch]



3.4 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	<ul style="list-style-type: none">• 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 amber and there is no screen image	<ul style="list-style-type: none">• Check if the monitor and the computer are in the ON mode.• Make sure the signal cable is properly connected the monitor and the computer.• Inspect the signal cable and make sure 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	<ul style="list-style-type: none">• Adjust the Contrast and Brightness settings via OSD.
Screen image bounces or a wave pattern is present in the image	<ul style="list-style-type: none">• 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)	<ul style="list-style-type: none">• 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.

3.5 Supported Timing List

Resolution	Frequency	Vertical Frequency	Horizontal Frequency
640 x 480		59.94Hz	31.47KHz
640 x 480		75Hz	37.5KHz
800 x 600		60.32Hz	37.88KHz
800 x 600		75Hz	46.86KHz
1024 x 768		60Hz	48.36KHz
1024 x 768		75Hz	60.02KHz
1280 x 720		60Hz	45KHz
1280 x 960		60Hz	60KHz
1280 x 1024		60.02Hz	63.98KHz
1600 x 900		60Hz	60KHz
1920 x 1080		60Hz	66.587KHz
1920 x 1080		74.97Hz	84.64KHz
1920 x 1080		99.93Hz	113.22KHz
640 x 480P		60Hz	31.469KHz
720 x 480P		60Hz	31.469KHz
720 x 576P		50Hz	31.25KHz
1280 x 720P		50Hz	37.5KHz
1280 x 720P		60Hz	45KHz
1920 x 1080P		50Hz	56.25KHz
1920 x 1080P		60Hz	67.5KHz
1920 x 1080P		100Hz	112.5KHz