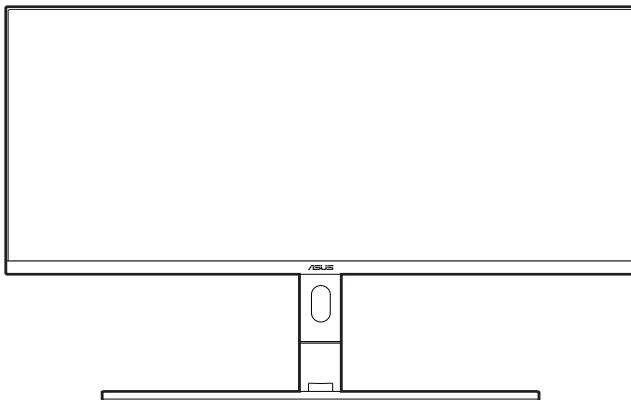




# PA34V Series

## LCD Monitor

*User Guide*



THUNDERBOLT™

**HDMI**™

HIGH DEFINITION MULTIMEDIA INTERFACE

First Edition

December 2018

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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.



---

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 brouiller du Canada.



## Safety information

- Before setting up the monitor, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the monitor to rain or moisture.
- Never try to open the monitor cabinet. The dangerous high voltages inside the monitor may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extention 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.



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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.

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**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:

- 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.

## **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.



## 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
- ✓ Quick start guide
- ✓ Warranty card
- ✓ Power cord
- ✓ HDMI cable
- ✓ USB Type-C to Type-A cable
- ✓ Thunderbolt cable (40Gbps)
- ✓ DisplayPort cable
- ✓ Support CD
- ✓ Color Calibration Testing Report
- ✓ Input/Output port cover
- ✓ Color Calibrator (only for PA34VC-K)



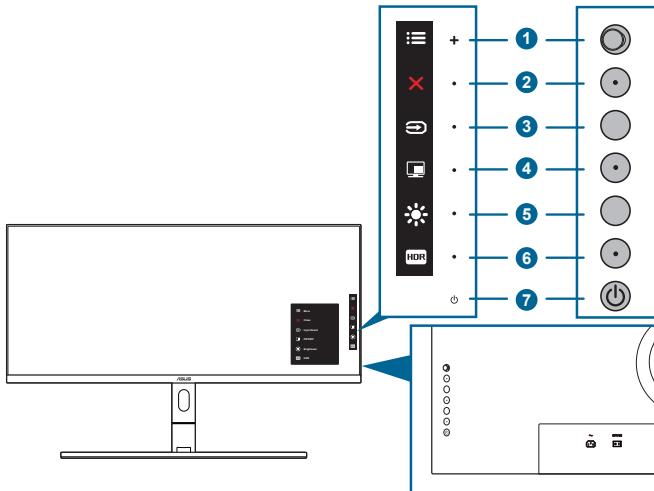
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If any of the above items is damaged or missing, contact your retailer immediately.

---

## 1.3 Monitor introduction

### 1.3.1 Front view



1. Menu (5-way) button:
  - Enters the OSD menu.
  - Enacts the selected OSD menu items.
  - Increases/Decreases values or moves your selection up/down/left/right.
2. Close button:
  - Exits the OSD menu.
  - Toggles the Key Lock function between on and off with a long press for 5 seconds.
3. Input select button:
  - Selects an available input source.

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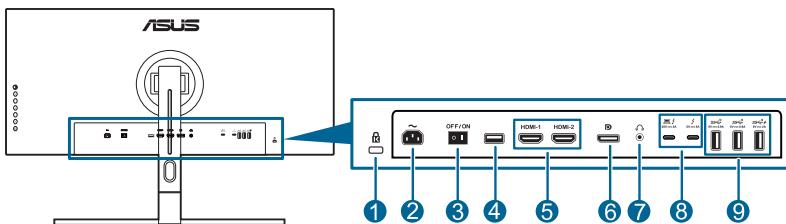
 Press button (Input Select button) to display HDMI-1, HDMI-2, Thunderbolt, DisplayPort signals after you connect HDMI/DisplayPort/Thunderbolt cable with the monitor. Thunderbolt is the default setting. Select DisplayPort if you want to connect a DisplayPort device.

---
4. PIP/PBP button:
  - This is a hotkey to enter the PIP/PBP setting menu.
5. Shortcut 1
  - Default: Brightness hotkey

- To change the hotkey function, go to the Shortcut > Shortcut 1 menu.
6. **HDR** Shortcut 2
- Default: HDR hotkey
  - To change the hotkey function, go to the Shortcut > Shortcut 2 menu.
7. **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 |
| Off    | Off          |

### 1.3.2 Back view



1. **Kensington lock slot.**
2. **AC-IN port.** This port connects the power cord.
3. **Power switch.** Press the switch to turn on/off power.
4. **USB 2.0 Type A.** This port is for service only.
5. **HDMI ports.** These ports are for connection with an HDMI compatible device.
6. **DisplayPort in.** This port is for connection with a DisplayPort compatible device.



The default setting of DisplayPort Stream in the OSD menu is DisplayPort 1.2. You can change it to DisplayPort 1.1 when your device output signal is DisplayPort 1.1.

7. **Earphone jack.**

8. **Thunderbolt.** These ports are for connection with Thunderbolt compatible devices. These ports consolidate data transfer, video output (Max. supported resolution: 3440 x 1440@ 100Hz), and charging into a single compact connector (The port  offers Max. 60W (5V/3A, 9V/3A, 15V/3A, 20V/3A) power delivery and the other port  offers 15W (5V/3A).). Among them, the first port plugged in will be recognized as an input source. The other serves as a DisplayPort signal output only which can be enabled to support Thunderbolt daisy chaining.
9. **USB 3.1 Type A (SuperSpeed USB 10 Gbps):** These ports are for connection with USB devices, such as USB keyboard/mouse, USB flash drive, etc.



Port with  icon is BC1.2 compliant (5V/2A).

### 1.3.3 Other Functions

#### 1. HDR

The monitor supports HDR format. When detecting HDR content, an "HDR ON" message will pop up and display in the Information page.



When displaying HDR content, the following function(s) are not available:  
Splendid menu, Blue Light Filter menu, Color menu, Trace Free, Uniformity Compensation, VividPixel, PIP/PBP Setting menu, Splendid Demo Mode, ECO Mode.



HDR content is not supported when PIP/PBP mode is on.

#### 2. Daisy chaining

The monitor supports daisy chain on Thunderbolt ports. Daisy Chaining allows multiple monitors to be connected in series with the video signal being passed from the source to a monitor. In order to enable daisy chaining, please make sure the source transported.

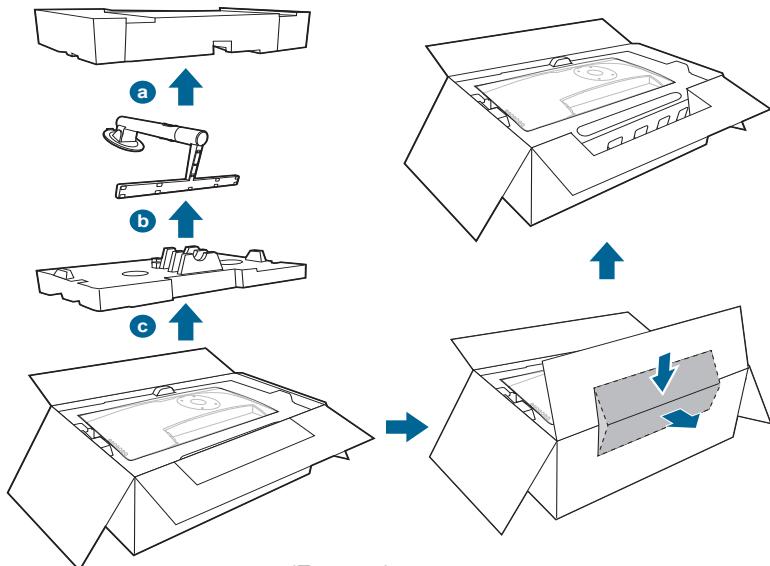
## 2.1 Attaching the stand



Do not remove the monitor from the packaging box before attaching the stand.

To assemble the monitor base:

1. After opening the box, remove the foam cushions and stand in turn from the top of the package and open the box as illustrated. (Figure 1)



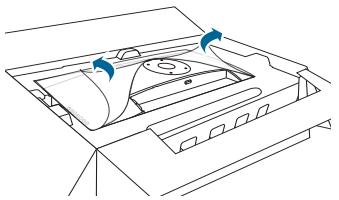
(Figure 1)

2. Lift the cover to expose the VESA area for stand assembly. (Figure 2)
3. Attach the stand into the back of the monitor, making sure the tab on the arm fits into the groove on the back of the monitor. (Figure 3)
4. Place the monitor upright. (Figure 4)

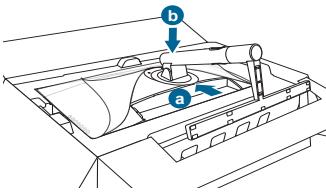


Do not press on the screen when lifting the monitor. Lift the monitor carefully to prevent it from slipping or falling.

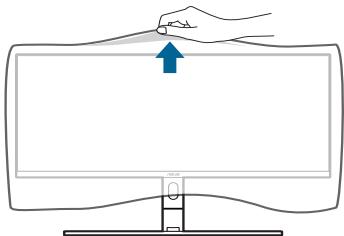
5. Remove the cover from the monitor. (Figure 5)



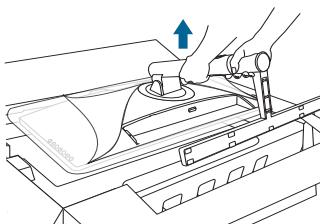
(Figure 2)



(Figure 3)



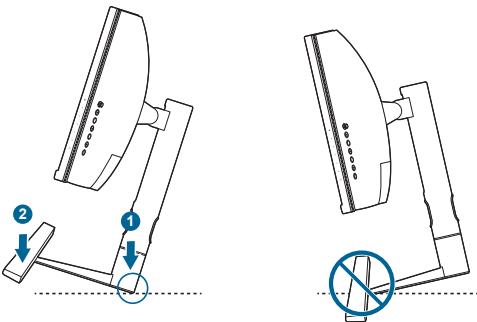
(Figure 5)



(Figure 4)



When placing the monitor upright, lower the rear part of the stand onto the surface first to avoid damage to the stand.

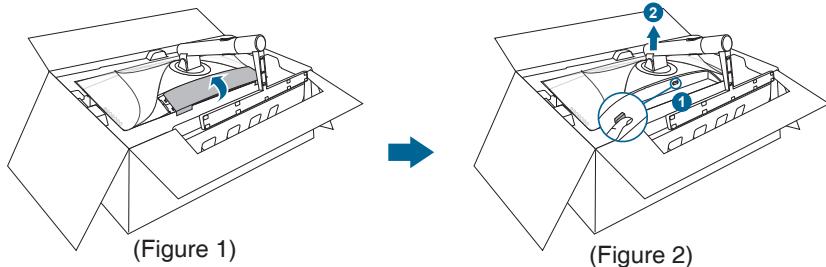


## 2.2 Detaching the arm/base (for VESA wall mount)

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 in the original package or on a soft cloth to prevent damage.
2. Remove the input/output port cover if attached. (Figure 1)
3. Press the release button, and then detach the arm/base from the monitor (Figure 2)



We recommend that you place the monitor in the original package to prevent damage.

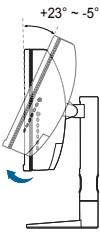


- The VESA wall mount kit (100 x 100 mm) is purchased separately.
- Use only the UL Listed Wall Mount Bracket with minimum weight/load 22.7kg (Screw size: M4 x 10 mm).

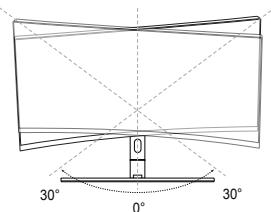
## 2.3 Adjusting the monitor

- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- You can adjust the monitor's angle from +23° to -5°, and it allows 60° swivel adjustment from either left or right. You can also adjust the monitor's height within +/- 120 mm.

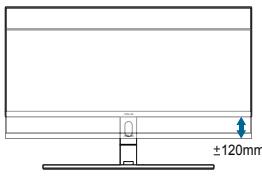
(Tilt)



(Swivel)

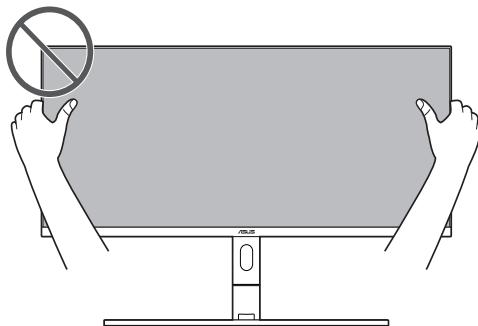


(Height adjustment)



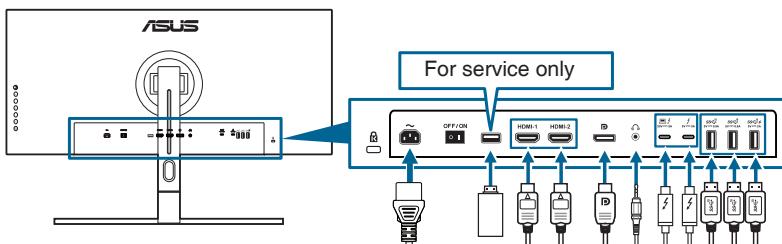


Be careful not to touch or press the screen area when adjusting the monitor.



## 2.4 Connecting the cables

Connect the cables as the following instructions.



- **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/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 earphone:** connect the end with plug type to the monitor's earphone jack when an HDMI/DisplayPort/Thunderbolt signal is fed.
- **To use the USB ports:**
  - » Upstream: Use the supplied USB Type-C to Type-A cable or Thunderbolt cable and plug the Type-C or Thunderbolt connector to the monitor's Thunderbolt port as upstream, and the other side (Type-A or Thunderbolt) to your computer port. Make sure your computer is installed with the latest Windows 7/Windows 8.1/Windows 10 operating system. That will enable the USB ports on the monitor to work.

- » Downstream: Plug the USB Type A cable of your device to the monitor's USB Type A jack.
  - » USB Type-A jack can be used for Color Calibrator.
- To connect the Thunderbolt cable:
    - a. Plug one end of the Thunderbolt cable to the monitor's Thunderbolt jack.
    - b. Connect the other end of the Thunderbolt cable to your Thunderbolt device's jack.
    - c. While one Thunderbolt port is plugged, the other Thunderbolt port outputs DisplayPort signal only.
    - d. The port  offers Max. 60W (5V/3A, 9V/3A, 15V/3A, 20V/3A) power delivery and the other port  offers 15W (5V/3A).



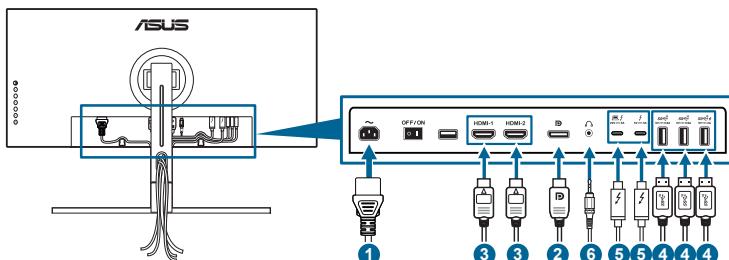
When these cables are connected, you can choose the desired signal from the Input Select item in the OSD menu.

## 2.5 Cable management

You can organize the cables with the help of the cable management slot and input/output port cover.

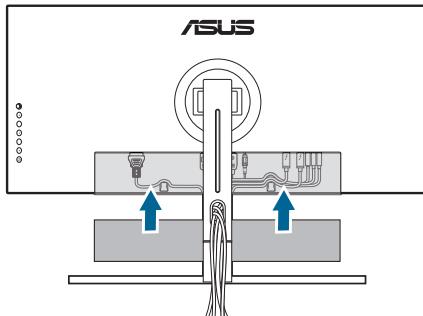
### Arranging the cables:

We recommend that you follow the order below to route the cable through the cable management slot on the stand.



### Using the input/output port cover:

The cover can be attached or detached.

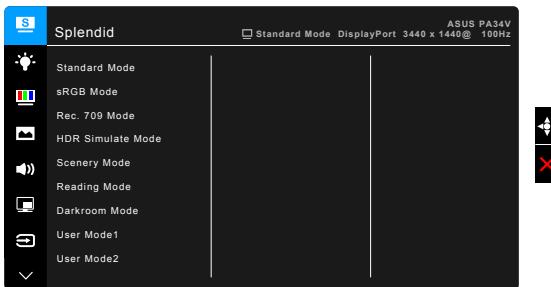


## 2.6 Turning on the monitor

Press the power button  . See page 1-2 for the location of the power button. The power indicator  lights up in white to show that the monitor is ON.

## 3.1 OSD (On-Screen Display) menu

### 3.1.1 How to reconfigure



1. Press the Menu (5-way) button to activate the OSD menu.
2. Move the Menu (5-way) button up/down/left/right to navigate through the functions. Highlight the desired function and press the Menu (5-way) button or move the Menu (5-way) button right to activate it. If the function selected has a sub-menu, move the Menu (5-way) button up/down to navigate through the sub-menu functions. Highlight the desired sub-menu function and press the Menu (5-way) button or move the Menu (5-way) button right to activate it.
3. Move the Menu (5-way) button up/down to change the settings of the selected function.
4. To exit and save the OSD menu, press the button or move the Menu (5-way) left repeatedly until the OSD menu disappears. To adjust other functions, repeat steps 1-3.

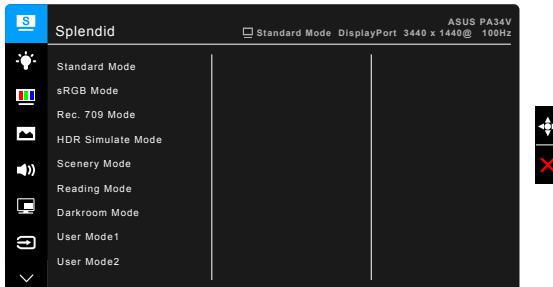
### 3.1.2 OSD function introduction

#### 1. Splendid

This function contains 9 sub-functions you can select for your preference. Each mode has the Reset selection, allowing you to maintain your setting or return to the preset mode.



To activate this function, you need to do the following: disable HDR on your device.



- **Standard Mode:** Best choice for document editing with SplendidPlus Video Enhancement.
- **sRGB Mode:** Compatible with sRGB color space, sRGB mode is the best choice for document editing.
- **Rec. 709 Mode:** Compatible with Rec.709 color space.
- **HDR Simulate Mode:** Transfers all formats to HDR-10 performance.
- **Scenery Mode:** Best choice for scenery photo display with SplendidPlus Video Enhancement.
- **Reading Mode:** This is the best choice for book reading.
- **Darkroom Mode:** This is the best choice for a weak ambient light environment.
- **User Mode 1/User Mode 2:** Allows you to make color adjustments in the Advanced Setting. You can also save one or two ProArt Calibration profiles as User Mode 1/User Mode 2 after executing ProArt Calibration and then have quick access here.



Please apply the following settings while performing ProArt color calibration:

- Set output dynamic to full range.
- Set output color format to RGB.
- Set output color depth to 8 bit.

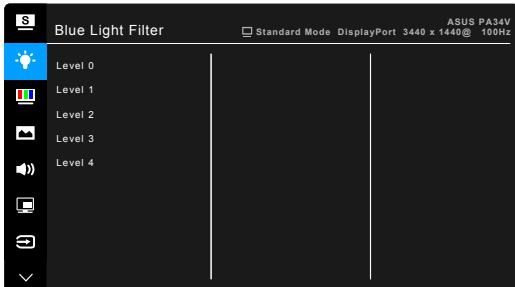
| Function                | Standard Mode | sRGB Mode   | Rec. 709 Mode | HDR Simulate Mode | Scenery Mode | Reading Mode | Darkroom Mode | User Mode 1/User Mode 2 |
|-------------------------|---------------|-------------|---------------|-------------------|--------------|--------------|---------------|-------------------------|
| Color Temp.             | 6500K         | Fixed 6500K | Fixed 6500K   | Fixed 6500K       | 6500K        | Fixed        | 6500K         | Fixed 6500K             |
| Brightness              | 50            | Disable     | 50            | Disable           | 100          | Enable       | Enable        | 50                      |
| Contrast                | 80            | Fixed 80    | 80            | Fixed 80          | 80           | Fixed 80     | 80            | 80                      |
| Sharpness               | Enable        | Enable      | Enable        | Enable            | Enable       | Enable       | Enable        | Enable                  |
| Saturation              | Middle (50)   | Fixed 50    | Middle (50)   | Fixed 50          | Middle (50)  | Fixed 50     | Middle (50)   | Middle (50)             |
| Hue                     | Middle (50)   | Fixed 50    | Middle (50)   | Fixed 50          | Middle (50)  | Fixed 50     | Middle (50)   | Middle (50)             |
| Advanced Setting        | Enable        | Disable     | Enable        | Disable           | Enable       | Disable      | Enable        | Disable                 |
| Black Level             | Enable        | Disable     | Enable        | Disable           | Enable       | Disable      | Enable        | Disable                 |
| Gamma                   | 2.2           | Fixed 2.2   | 2.2           | Fixed 2.2         | Fixed 2.2    | 2.2          | 2.2           | Fixed 2.2               |
| Uniformity Compensation | Off           | Off         | Off           | Off               | Fixed Off    | Fixed Off    | Fixed Off     | Fixed Off               |

## 2. Blue Light Filter

In this function, you can adjust the blue light filter level.



To activate this function, you need to do the following: disable HDR on your device.



- **Level 0:** No change.
- **Level 1~4:** 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. 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.



When this function is activated, Uniformity Compensation, ECO Mode and Splendid Demo Mode will be automatically set to OFF.



Please refer to the following to alleviate eye strains:

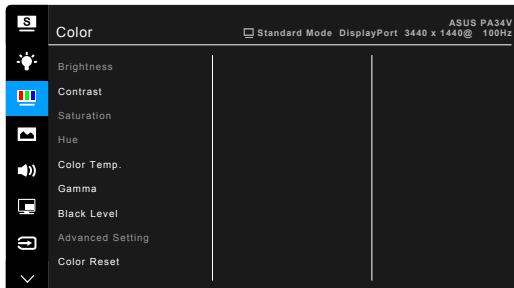
- Users should take some time away from the display if working for long hours. It is advised to take short breaks (at least 5 mins) after around 1 hour of continuous working at the computer. Taking short and frequent breaks is more effective than a single longer break.
- To minimize eye strain and dryness 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 avoid CVS (Computer Vision Syndrome).

### 3. Color

Set a desired color setting from this menu.



To activate this function, you need to do the following: disable HDR on your device.



- **Brightness:** The adjusting range is from 0 to 100.



The function is not available when ECO Mode is ON.



- **Contrast:** The adjusting range is from 0 to 100.

The function is not available when ECO Mode is ON.

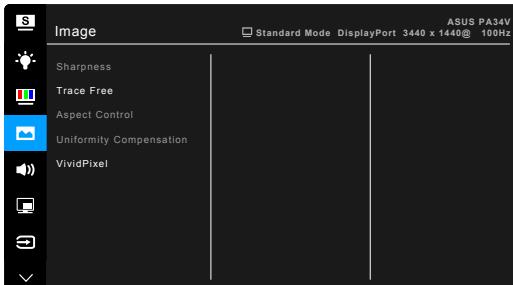
- **Saturation:** The adjusting range is from 0 to 100.
- **Hue:** Shifts the image color between green and purple.
- **Color Temp.:** Contains 4 modes including 9300K, 6500K, 5500K and 5000K.
- **Gamma:** Allows you to set the color mode to 2.6, 2.4, 2.2, 2.0 or 1.8.
- **Black Level:** To adjust the initialized 1<sup>st</sup> signal level of darkest gray level.
- **Advanced Setting:**
  - \* Six-axis Hue adjustment.
  - \* Six-axis Saturation adjustment.
  - \* Adjusts the gain levels for R, G, B.
  - \* Adjusts the black level offset values for R, G, B.
- **Color Reset:**
  - \* Current Splendid color mode reset:  
Resets the color settings of current color mode to the factory default value.
  - \* All Splendid color mode reset:  
Resets the color settings of all color modes to the factory default value.

#### 4. Image

Set the image related setting from this menu.



To activate this function, you need to do the following: disable HDR on your device.



- **Sharpness:** The adjusting range is from 0 to 100.
- **Trace Free:** Adjusts the response time of the monitor.
- **Aspect Control:** Adjusts the aspect ratio to Full, 4:3, 1:1, 16:9 or OverScan.



4:3 is only available when input source is in 4:3 format. OverScan is only available for the HDMI input source. 16:9 is only available when input source is in 16:9 format.

- **Uniformity Compensation:** Adjusts different areas of the screen to reduce any screen uniformity errors, providing consistent brightness and color across the entire screen.



To activate this function, you need to do the following: turn off Dynamic Dimming and disable HDR on your device.

---



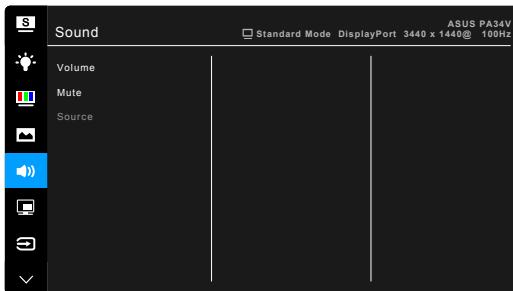
When this function is activated, Blue Light Filter will be automatically set to OFF.

---

- **VividPixel:** Enhances the outline of the displayed picture and generates high-quality images on screen.

## 5. Sound

You can adjust Volume, Mute and Source from this menu.



- **Volume:** The adjusting range is from 0 to 100.
- **Mute:** Toggles the monitor sound between on and off.
- **Source:** Decides the monitor sound comes from which source.

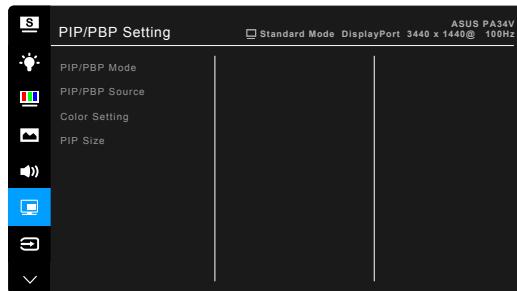
## 6. PIP/PBP Setting

The PIP/PBP Setting allows you to open up another sub-window connected from another video source besides the main-window from your original video source. By activating this function, the monitor displays up to 2 pictures from different video sources.



To activate this function, you need to do the following: turn off Adaptive-Sync, Dynamic Dimming and disable HDR on your device.

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- **PIP/PBP Mode:** Selects PIP, PBP function, or turn it off.
- **PIP/PBP Source:** Selects the video input source from among HDMI-1, HDMI-2, DisplayPort, and Thunderbolt. The table below shows the input source combinations.

|            |             | Main-window |        |             |             |
|------------|-------------|-------------|--------|-------------|-------------|
|            |             | HDMI-1      | HDMI-2 | DisplayPort | Thunderbolt |
| Sub-window | HDMI-1      | Yes         |        | Yes         | Yes         |
|            | HDMI-2      |             | Yes    | Yes         | Yes         |
|            | DisplayPort | Yes         | Yes    | Yes         |             |
|            | Thunderbolt | Yes         | Yes    |             | Yes         |

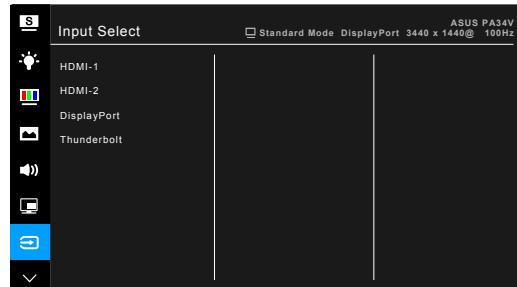


If one Thunderbolt port is plugged, the other one outputs DisplayPort signal only.

- **Color Setting:** Selects an individual Splendid Mode for the selected PIP/PBP source.
- **PIP Size:** Adjusts the PIP size to Small, Middle, or Large. (Only available for the PIP mode)

## 7. Input Select

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





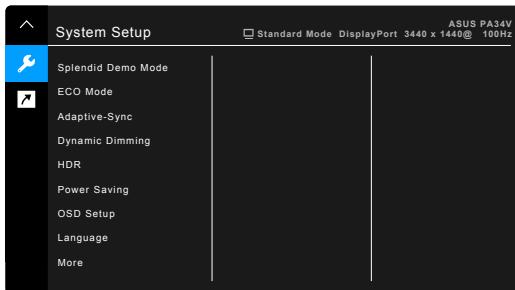
Either DisplayPort or Thunderbolt can be automatically detected by the monitor. The last selected source between DisplayPort and Thunderbolt will be automatically detected by the monitor, alongside with other input signals.



If one Thunderbolt port is plugged. the other one outputs DisplayPort signal only.

## 8. System Setup

Allows you to adjust the system.



- **Splendid Demo Mode:** Splits the screen into two for Splendid modes comparison. (Scenery mode only)



To activate this function, you need to do the following: turn off PIP/PBP and disable HDR on your device.

When this function is activated, Blue Light Filter will be automatically set to OFF.

- **ECO Mode:** Reduces power consumption.



To activate this function, you need to do the following: turn off Dynamic Dimming and disable HDR on your device.

When this function is activated, Blue Light Filter will be automatically set to OFF.

- **Adaptive-Sync:** 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.



\* Adaptive-Sync can only be activated within 40Hz ~ 100Hz.

\* For supported GPUs, minimum PC system and driver requirements, please contact the GPU manufacturers.

\* To activate this function, you need to do the following: turn off PIP/PBP mode and set DisplayPort Stream to DisplayPort 1.2.

- **Dynamic Dimming:** Synchronizes with contents while contrast changing to execute backlight dynamic dimming.



To activate this function, you need to do the following: turn off ECO Mode. When this function is activated, the following function(s) will not be available: Uniformity Compensation and PIP/PBP.

- **HDR:**

- \* “HDR\_ASUS” delivers ASUS exclusive HDR display performance.
- \* “HDR\_PQ300” preserves PQ curve till displaying maximum brightness. Code values over maximum brightness will be mapped to maximum brightness.

- **Power Saving:**

- \* “Normal Level” allows the USB downstream ports/Thunderbolt ports to charge external devices and available signals to be automatically searched when the monitor enters power saving mode.
- \* “Deep Level” does not allow all ports to charge external devices and keeps signals from being automatically detected when the monitor enters power saving mode to achieve the maximum benefit of saving power.

- **OSD Setup:**

- \* Adjusts the OSD timeout from 10 to 120 seconds.
- \* Enables or disables the DDC/CI function.
- \* Adjusts the OSD background from opaque to transparent.

- **Language:** There are 21 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.

- **Calibration Reminder:** To remind user of calibrating this monitor to ensure color accuracy every working period. There are 3 alarms (300/600/1000 hours) and OFF for user's preference.



This function is enabled when User Mode 1 or User Mode 2 is selected.

- **DisplayPort Stream:** Compatibility with graphic card. Select DisplayPort 1.1 or DisplayPort 1.2 by graphic card DP version.

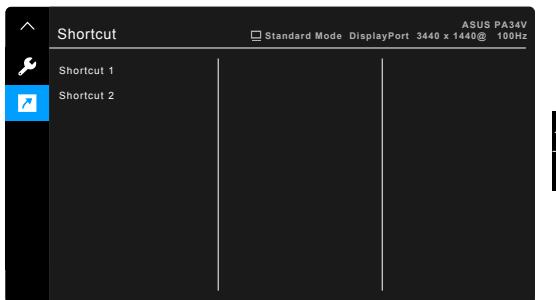


DisplayPort 1.1 is only available when Adaptive-Sync is off.

- **Keylock:** To disable all function keys. Press the second button from the top over five seconds to cancel the key lock function.
- **Power Indicator:** Turns the power LED indicator on/off.
- **Information:** Shows the monitor information.
- **All Reset:** “Yes” allows you to restore the default settings.

## 9. Shortcut

Defines the functions for Shortcut 1 and 2 buttons.



- **Shortcut 1/Shortcut 2:** Selects a function for Shortcut 1 and 2 buttons.



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When a certain function is selected or activated, your shortcut key may not support. Available function choices for shortcut: Blue Light Filter, Brightness, HDR, Contrast, Color Temp., Volume, User Mode 1, User Mode 2.

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## 3.2 Specifications summary

|                                       |   |
|---------------------------------------|---|
| <b>Panel Type</b>                     | TFT LCD   |
| <b>Panel size</b>                     | 34.14" (21:9, 86.72 cm) wide screen   |
| <b>Max. Resolution</b>                | 3440 x 1440   |
| <b>Pixel pitch</b>                    | 0.2325 mm   |
| <b>Brightness (Typ.)</b>              | 300 cd/m <sup>2</sup>   |
| <b>Contrast Ratio (Typ.)</b>          | 1000:1  |
| <b>Contrast Ratio (Max.)</b>          | 100,000,000:1 (with Dynamic Dimming on)   |
| <b>Viewing angle (H/V) CR&gt;10</b>   | 178°/178°   |
| <b>Display colors</b>                 | 1.07 billion  |
| <b>Color gamut</b>                    | sRGB 100%   |
| <b>Response time</b>                  | 5 ms (Gray to gray)   |
| <b>SplendidPlus Video Enhancement</b> | Yes   |
| <b>SplendidPlus selection</b>         | 9 video preset modes  |
| <b>Color temperature selection</b>    | 4 color temperatures  |
| <b>Digital input</b>                  | HDMI v2.0a, DisplayPort v1.2, Thunderbolt™ 3  |
| <b>Earphone jack</b>                  | Yes   |
| <b>Speaker (Built-in)</b>             | 2 W x 2 Stereo, RMS   |
| <b>USB 3.0 port</b>                   | Upstream x 1, Downstream x 3  |
| <b>Colors</b>                         | Black   |
| <b>Power LED</b>                      | White (On)/Amber (Standby)  |
| <b>Tilt</b>                           | +23° ~ -5°  |
| <b>Swivel</b>                         | +30° ~ -30°   |
| <b>Pivot</b>                          | No  |
| <b>Height Adjustment</b>              | 120 mm  |
| <b>Kensington lock</b>                | Yes   |
| <b>AC input voltage</b>               | AC: 100~240V  |
| <b>Power consumption</b>              | Power On: < 56.72 W** (Typ.), Standby: < 0.5 W (Typ.), Power Off: 0 W (Switch off)  |
| <b>Temperature (Operating)</b>        | 0°C~40°C  |
| <b>Temperature (Non-operating)</b>    | -20°C~+60°C   |
| <b>Dimension (W x H x D)</b>          | 815.12 mm x 538 mm x 222.86 mm (with stand, highest)<br>815.12 mm x 418 mm x 222.86 mm (with stand, lowest)<br>815.12 mm x 364.79 mm x 122.17 mm (without stand)<br>980 mm x 401 mm x 588 mm (package)                            |
| <b>Weight (Esti.)</b>                 | 11.4 kg (Net); 7.8 kg (without stand); 17.18 kg (Gross)   |
| <b>Multi-languages</b>                | 21 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian) |

|                                 |   |
|---------------------------------|---|
| <b>Accessories</b>              | HDMI cable, DisplayPort cable, Thunderbolt cable, Power cord, USB Type-C to Type-A cable, Quick start guide, Warranty card, Support CD, Color Calibration Testing Report, Input/Output port cover, Color Calibrator (only for PA34VC-K)     |
| <b>Compliance and Standards</b> | UL/cUL, CB, CE, FCC, CCC, BSMI, CU, VCCI, J-MOSS, RoHS, WEEE, PSE, KCC, ICES-3, ErP, CEL, ISO 9241-307, UkrSEPRO, RCM, MEPS, PC Recycle, KC, e-Standby, TUV Flicker Free, TUV Low Blue Light, Windows 7, 8.1 and 10 WHQL, Mac Compliance*** |

\*Specifications are subject to change without notice.

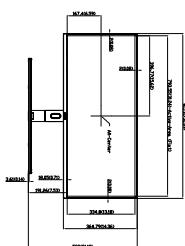
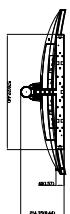
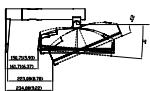
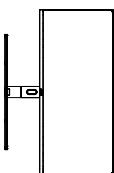
\*\*Measuring a screen brightness of 200 nits without audio/USB/Card reader connection.

\*\*\*Requires Mac OS 10.11.x, 10.13.x.

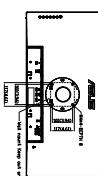
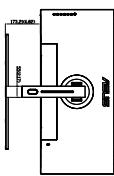
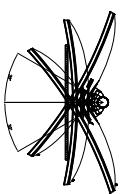
### 3.3 Outline dimensions

ASUS PA34V Outline Dimension  
\*Unit: mm(inch)

NO PIVOT FUNCTION



Swivel: +/-30 Degree



## 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 if the power switch is ON.</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 All Reset via OSD.</li><li>Adjust the R/G/B color settings or select the Color Temperature via OSD.</li></ul>   |
| No sound or sound is low                                       | <ul style="list-style-type: none"><li>Ensure that the HDMI/DisplayPort/Thunderbolt cable is properly connected to the monitor and the computer.</li><li>Adjust the volume settings of both your monitor and HDMI/DisplayPort/Thunderbolt device.</li><li>Ensure that the computer sound card driver is properly installed and activated.</li></ul>                                   |

### 3.5 Supported operating modes

| Resolution Frequency | Horizontal Frequency (KHz) | Vertical Frequency (Hz) | Pixel (MHz) |
|----------------------|----------------------------|-------------------------|-------------|
| 640x480              | 31.47(N)                   | 59.94(N)                | 25.18       |
| 640x480              | 37.87(N)                   | 72.82(N)                | 31.5        |
| 640x480              | 37.5(N)                    | 75.00(N)                | 31.5        |
| 720x400              | 31.47(N)                   | 70.08(P)                | 28.32       |
| 800x600              | 35.16(P)                   | 56.25(P)                | 36          |
| 800x600              | 37.88(P)                   | 60.32(P)                | 40          |
| 800x600              | 48.08(P)                   | 72.12(P)                | 50          |
| 800x600              | 46.86(P)                   | 75.00(P)                | 49.5        |
| 832X624              | 49.72(P/N)                 | 74.55(P/N)              | 57.28       |
| 1024x768             | 48.36(N)                   | 60.00(N)                | 65          |
| 1024x768             | 56.476(N)                  | 70.069(N)               | 75          |
| 1024x768             | 60.02(N)                   | 75.00(N)                | 78.75       |
| 1152x864             | 67.5(P/N)                  | 75.00(P/N)              | 108         |
| 1280x720             | 45.00(P)                   | 60.00(N)                | 75.25       |
| 1280x800             | 49.7(P)                    | 60.00(N)                | 83.5        |
| 1280x960             | 60.00(P)                   | 60.00(N)                | 108         |
| 1280x1024            | 79.98(P)                   | 75.02(N)                | 135         |
| 1440x900             | 55.94(N)                   | 59.89(P)                | 106.5       |
| 1600x1200            | 75.00(P)                   | 60.00(P)                | 162         |
| 1680x1050            | 65.29(P)                   | 60.00(P)                | 146.25      |
| 1920x1080            | 67.5(P)                    | 60.00(P)                | 148.5       |
| 2560x1440            | 88.79(P)                   | 59.95(N)                | 241.5       |
| 3440x1440            | 88.8(P)                    | 59.973(N)               | 319.75      |
| 3440x1440            | 111.875(P)                 | 74.983(N)               | 402.75      |
| 3440x1440            | 151(P)                     | 100.00(N)               | 531.52      |

| Resolution   | Vertical Frequency (Hz) |
|--------------|-------------------------|
| 1920 × 1080p | 50Hz                    |
|              | 60Hz                    |
| 1920 × 1080i | 50Hz                    |
|              | 59.94Hz                 |
| 1280 × 720p  | 60Hz                    |
|              | 50Hz                    |
| 720 × 576p   | 59.94Hz                 |
|              | 60Hz                    |
| 720 × 480p   | 50Hz                    |
|              | 60Hz                    |
| 640 × 480p   | 60Hz                    |