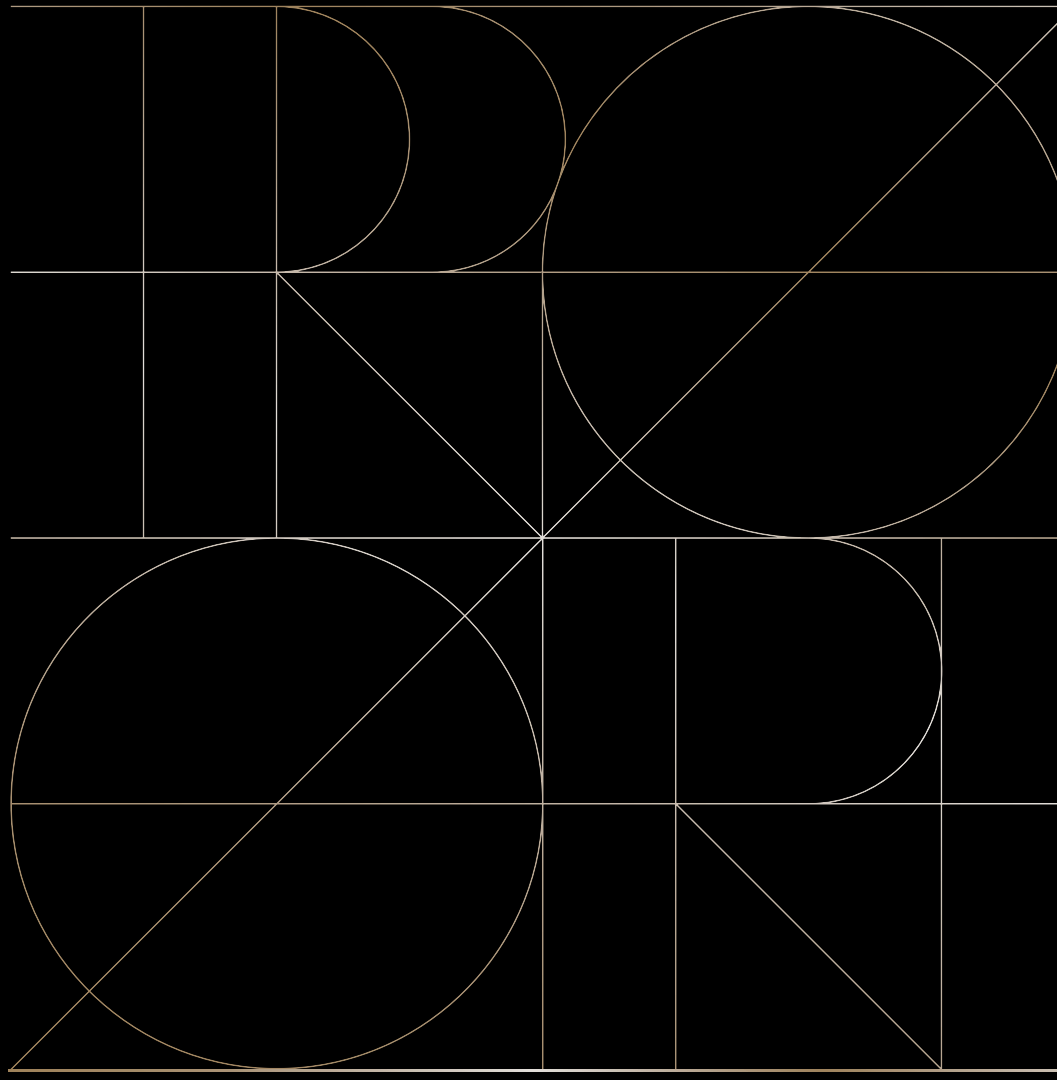
ProArt

PA32UCE

USER GUIDE



HDMI™

HIGH-DEFINITION MULTIMEDIA INTERFACE

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ASUS

First Edition

November 2024

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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.

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.

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 Réglement sur le matériel brouiller du Canada.

Software Low Blue Light compliance

ASUS requests every model to pass SW LBL when “Image/ Blue Light Filter” is set to MAX.

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 exercise: (1) Repeating look up and down (2) Slowly roll your eyes (3) Move your eyes diagonal.
- High energy blue ligh 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).

Blue Light Filter set to MAX. It is in compliance with TÜV Rheinland low bule light Software Solution certification.

Flicker-Free technology

The Monitor adopts Flicker-Free technology, which clears the eye visible flicker, brings comfort viewing experience and preventing users suffer from eye strain and fatigue.

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.
- By means of a power cord connected to a socket-outlet with earthing connection.
- 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.



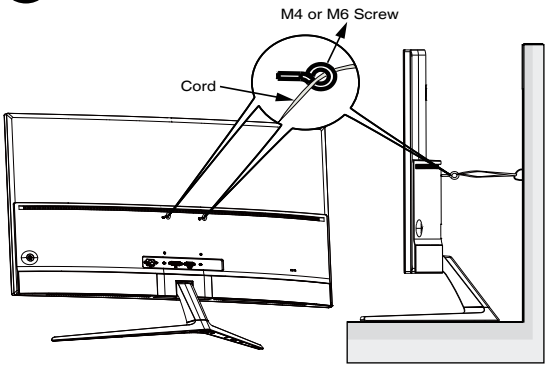
This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Please check local regulations for disposal of electronic products.

AEEE yönetmeliğine uygundur

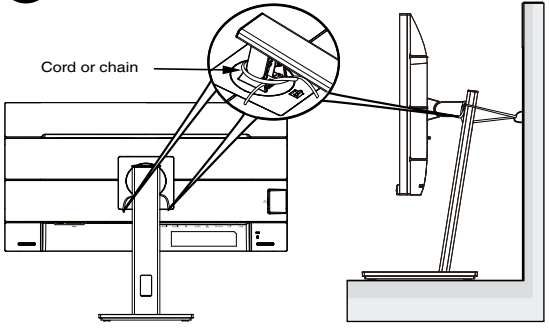
Prevent Tipping

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

❶



❷



- Display design may differ from those illustrated.
- Installing must be done by a qualified technician , and please contact your supplier for more information.
- For the Models with net weight >=7kg. Please select the suitable way to Prevent Tipping.
- For the models with VESA Mount, please use method ❶, install the screws with ring to the VESA Mount hole, then tie the cord or chain to the wall. Otherwise, please use method ❷ to tie the cord or chain to the stand and then fix it to the wall.

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.

Product information for EU energy label

PA32UCE

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:

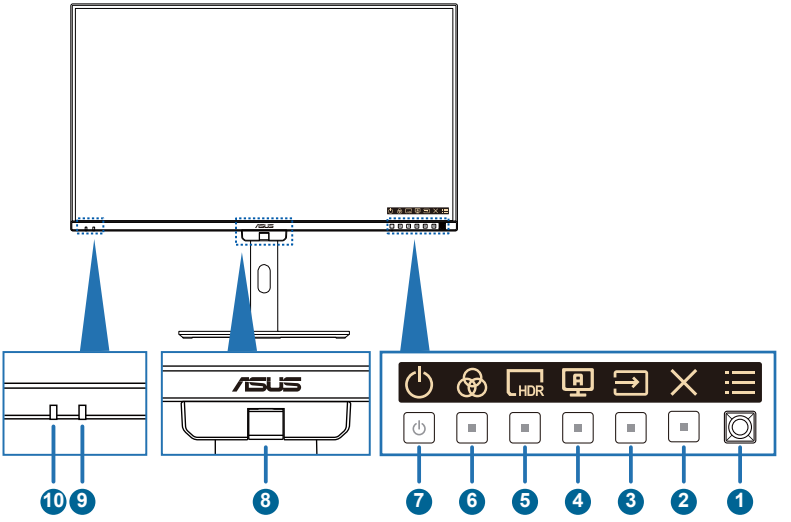
- ✓ LCD monitor
- ✓ Monitor Stand
- ✓ Quick start guide
- ✓ Warranty card
- ✓ Power cord
- ✓ HDMI cable
- ✓ DisplayPort cable
- ✓ USB C to C cable (optional)
- ✓ USB C to A cable (optional)
- ✓ Color calibration testing report
- ✓ ProArt welcome card
- ✓ Monitor Hood

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

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

1.3 Monitor introduction

1.3.1 Front view



1. Menu (5-way) button:
   - Press this button to display the OSD menu when the OSD is off. Press this button again to enter the OSD main menu.
   - Enacts the selected OSD menu items.
   - Increases/Decreases values or moves your selection up/down/left/right.
   - Push the 5-way button down for over 5 seconds to toggle the Key Lock function between on and off.
2. Exit button:
   - Press this button to display the OSD menu when the OSD is off.
   - Exits the OSD menu.
3. Input
   - Press this button to display the OSD menu when the OSD is off.
   - Press this button to select input.
4. Self Calibration
   - Press this button to display the OSD menu when the OSD is off.
   - Press this button to enter Calibration menu.

5. Shortcut 1:
   - Press this button to display the OSD menu when the OSD is off.
   - Default: HDR hotkey
   - To change the hotkey function, go to the Shortcut > Shortcut 1 menu.
6. Shortcut 2:
   - Press this button to display the OSD menu when the OSD is off.
   - Default: Preset hotkey
   - To change the hotkey function, go to the Shortcut > Shortcut 2 menu.
7. Power button/power indicator
   - Turns the monitor on/off. Press and hold this button for 0.6 seconds will shut down the monitor.
   - The color definition of the power indicator is as the below table.

Status	Description
White	On
Amber	Standby mode
Off	Off

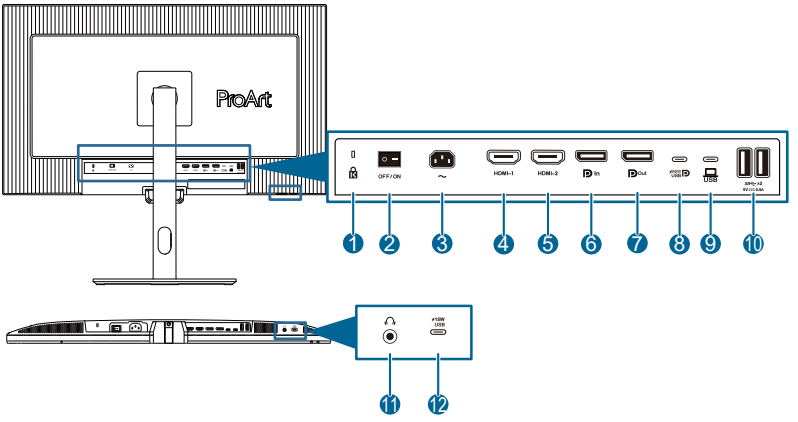
8. Color Sensor
   - The color sensor is embedded on the bottom of the monitor for color calibration.
   - To activate this function, please refer "**1.3.4 Color Calibration**".
9. Proximity Sensor
   - If the function is enabled and the system does not detect the presence of object within 30cm-90cm over the preset time, the system will automatically decrease brightness periodically.

- Recovery time would be within 2 seconds.
- Detectable ability and distance are different according to the object and environment.
- Please avoid placing objects in front of the sensor (between 30cm and 90cm), as it will cause the function of the sensor to fail (misjudging that someone is ahead).

10. Ambient Effect Sensor
    - Configures the ambient effect settings.

This function will be disabled if the HDR function is enabled and the ProArt Preset setting is set to HDR_PQ DCI, HDR_PQ BT.2020, HDR_HLG BT.2100 or HDR_HLG DCI.

1.3.2 Back view



1. **Kensington lock slot**.
2. **Power switch**: Press the switch to turn on/off power.
3. **AC-IN port**: This port connects the power cord.
4. **HDMI-1 port**: This port is for connection with an HDMI compatible device.
5. **HDMI-2 port**: This port is for connection with an HDMI compatible device.
6. **DisplayPort in**: This port is for connection with a DisplayPort compatible device.
7. **Daisy-Chain DisplayPort output**: This port allows you to connect multiple DisplayPort compatible monitors.
8. **USB 3.2 Gen 1 Type-C**: This port is for connection with a USB upstream cable. The connection supports USB power and data delivery (Maximum resolution: 3840 x 2160@ 60Hz).

This monitor is Super-Speed USB 3.2 Gen 1 compatible(5Gbps). The port offer 96W power delivery with output voltage of 5V/3A, 9V/3A, 12V/3A 15V/3A, 20V/4.8A.

9. **USB 3.2 Gen 1 Type-C**: This port is for connection with a USB upstream cable. The connection supports USB power and data delivery.
10. **USB 3.2 Gen 1 Type-A**: These ports are for connection with USB devices, such as USB keyboard/mouse, USB flash drive, etc.
11. **Earphone jack**: This port is only available when an HDMI/DisplayPort/USB Type-C cable is connected.
12. **USB 3.2 Gen 1 Type-C**: This port is for connection with USB devices, such as USB keyboard/mouse, USB flash drive, etc.

1.3.3 QuickFit Plus Function

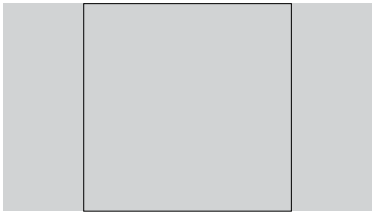
The QuickFit Plus function contains 4 types of patterns: (1) Safe Area (2) Center Marker (3) Customization (4) Ruler. To activate the patterns, press the QuickFit Plus button. Use the Menu (5-way) button to select a desired pattern. You can move the button up/down/left/right to change the pattern's position if needed.

Note that only **Customization** pattern can be adjusted its frame size according to your need, but may have limited range for moving left/right/up/down.

1. Safe Area

Facilitates designers and users to organize content and layout on one page and achieve a consistent look and feel.

The selections are:



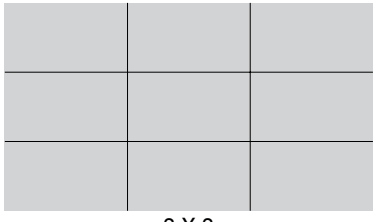
1:1



Action Safe



Title Safe

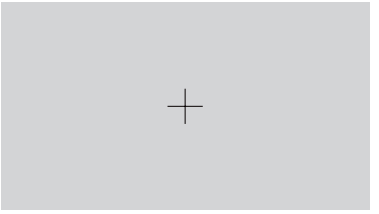


3 X 3

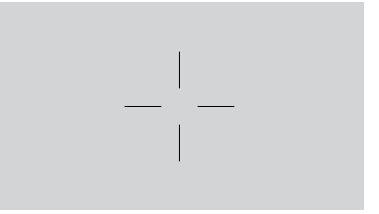
2. Center Marker

Selects the center marker type.

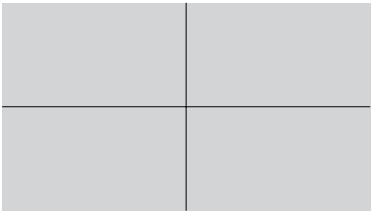
The selections are:



Type 1



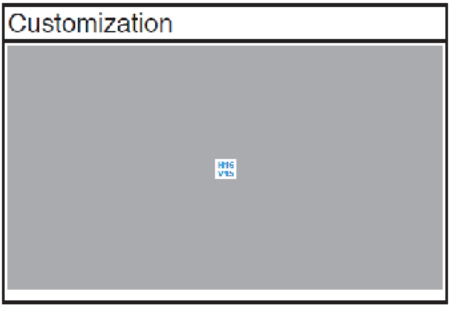
Type 2



Type 3

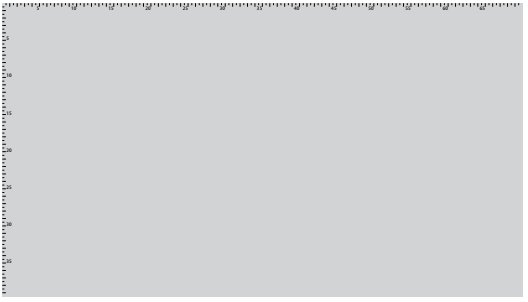
3. Customization

You can decide the frame size by moving the Menu (5-way) button up/down/left/right. You can press the Menu (5-way) button for longer than 3 seconds to switch the measurements between millimeter and inch.



4. Ruler

This pattern presents physical ruler on top and left side. You can press the Menu (5-way) button for longer than 3 seconds to switch the measurements between metric and imperial.



1.3.4 Color Calibration

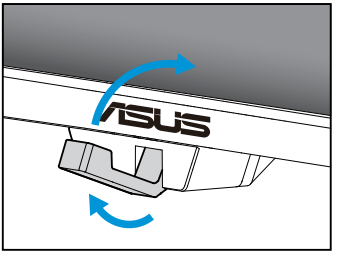
Users can do Self-calibration via OSD (please refer page 3-6) or ASUS exclusive ProArt Calibration Software with the color sensor that is embedded on the bottom of the monitor for color calibration to keep long-term color accuracy.

Download & Install ProArt Calibration Software : Windows / macOS

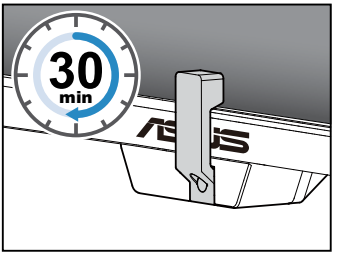
ProArt Calibration Color Management Software & Tools Introduction : https://www.asus.com/proart/software-solutions/monitor-calibration/

1. Open the ProArt Calibration Software to activate the color sensor to perform the color calibration.

   The color sensor starts moving from its original position towards the screen.



2. When the color sensor reaches the edge of the screen, it will stop and start the calibration process. The calibration time depends on the amount of preset modes you select, the longest time might be 30 minutes.



3. After the calibration process is completed, the color sensor will automatically return to its original position.

- When the device is turned on, the color sensor will return to its original position and produce a sound while the motor is running during the initialization process. This is a normal.
- When the hood is installed, the color sensor can also be used.
- Avoid pulling the color sensor to prevent damage.
- To ensure ProArt Calibration Software to perform the calibration smoothly, do not touch the color sensor with your hands and there are no interfering objects during the process.
- “Class 1 Laser product” for color sensor.

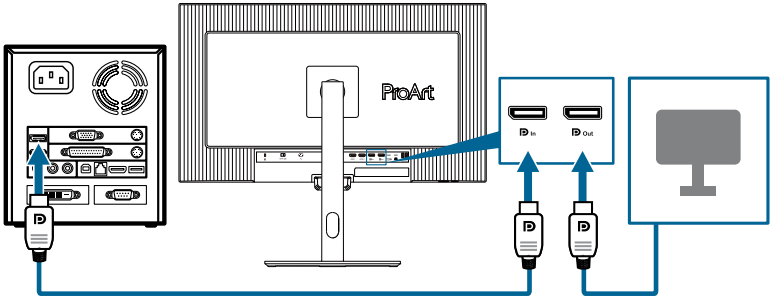
1.3.5 Other Function(s)

1. Daisy chaining (for selected models)

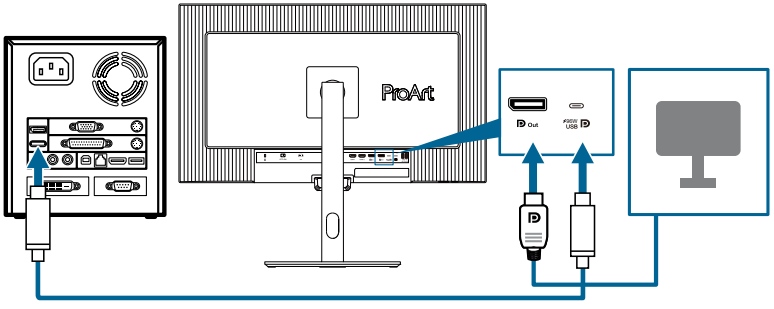
The monitor supports daisy chain on DisplayPort and USB Type-C. Daisy Chaining allows up to 2 monitors to be connected in series with the video signal being passed from the source to a monitor (when the input source is 3840 x 2160@60Hz and no USB-C device is connected). In order to enable daisy chaining, please make sure the source transported.

This function is only available when Power Saving is Normal Level. If you set Power Saving to Deep Level, all the connected monitors will display the same content at the same time (clone). Note: Input port will be fixed (no auto detection) when DP out cable is plugged.

3840 x 2160 @60Hz

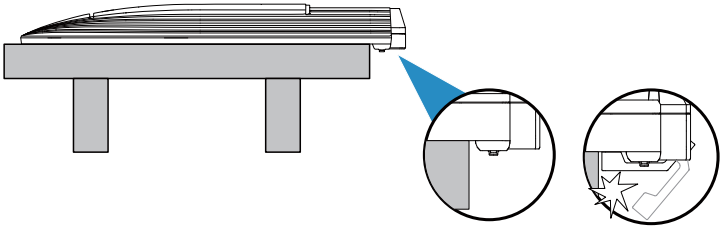


3840 x 2160 @60Hz



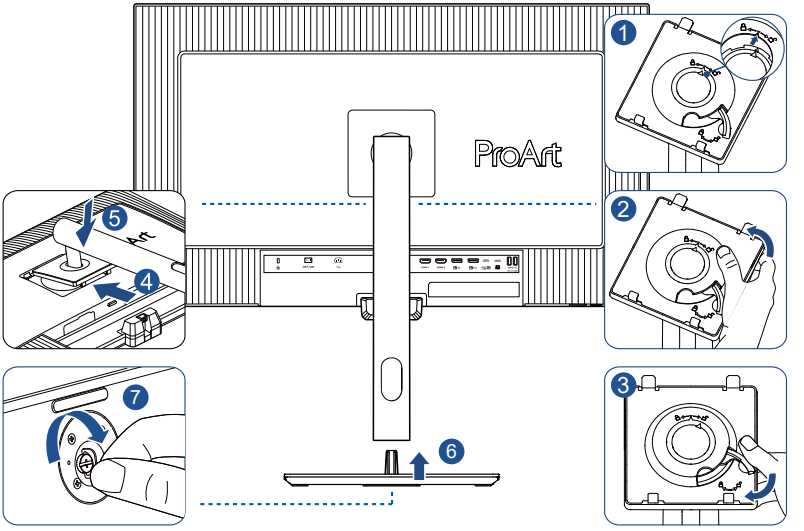
2.1 Assembling the monitor arm/base

- We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.
- When the panel screen is facing down, be careful not to damage the Menu (5-way) button.
- Before the panel screen is face down, the color sensor should be in the original position, avoid causing damage.



To assemble the monitor base:

1. Make sure the triangle marks of VESA cover aligned.
2. Attach the arm into the VESA cover.
3. Shut the lock to make the arm and VESA cover assembled.
4. Have the front of the monitor face down on a table, slide the tabs on the arm into the slots on the VESA cover.
5. Press down the arm assembly to snap it into place.
6. Attach the base into the arm, making sure the tab on the arm fits into the groove on the base.
7. Fix the base to the arm by fastening the bundled screw.



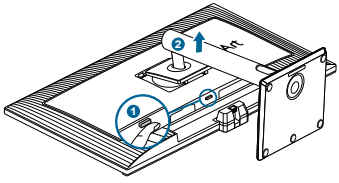
Base screw size: M6 x 16.2 mm.

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

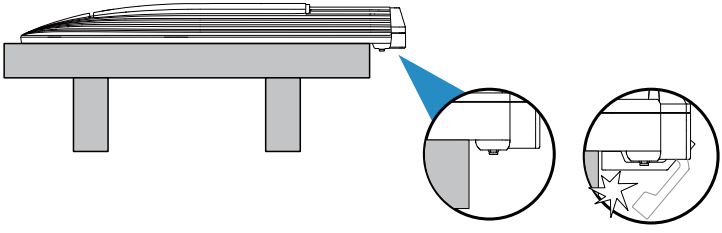
The detachable arm/base of this monitor is specially designed for VESA wall mount.

To detach the arm/base:

1. Have the front of the monitor face down on a table.
2. Press the release button, and then detach the arm/base from the monitor (Figure 1).



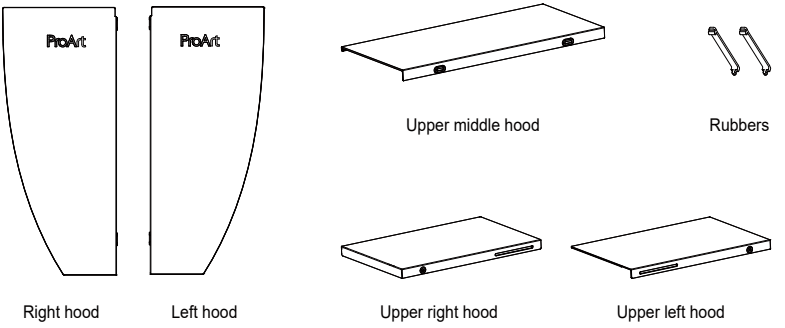
- We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.
- When the panel screen is facing down, be careful not to damage the Menu (5-way) button.
- Before the panel screen is face down, the color sensor should be in the original position, avoid causing damage.



- The VESA wall mount kit (100 x 100 mm) is purchased separately.
- Use only with UL/CSA/GS Listed Wall Mount Bracket with minimum weight/load bearing capacity of 8.9 kg (19.62 lb) (Screw size: M4 x 10 mm).

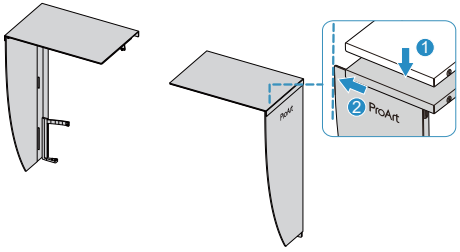
2.3 Installing the monitor hood

Check the monitor hood items as the following:

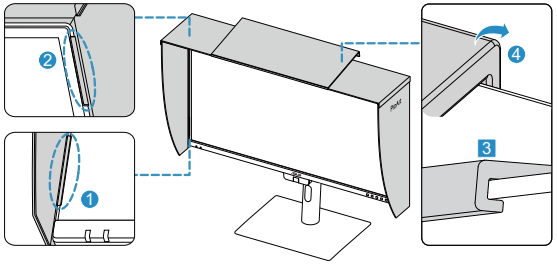


The installation method is as follows:

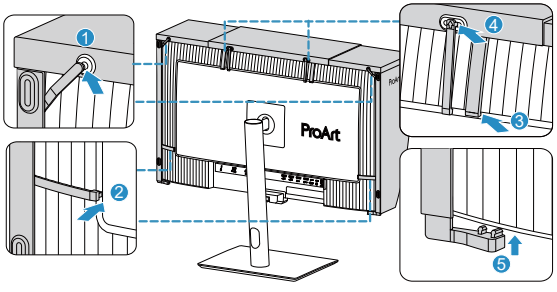
1. Install the left hood, right hood,upper right hood and upper left hood. Swipe the hood to the another one from edge as shown. (Figure 1)
2. Install the hood to the montior. (Figure 2)
   - Place the hood above the monitor and press it down slightly, make sure they're secure.
   - Snap the U-shaped groove of the upper middle hood onto the upper left hood and upper right hood, then push down the back half of the upper middle hood.
   - Move the upper middle hood horizontally ensure that in the center position.
3. Move the rubbers to the correct position. (Figure 3)



(Figure 1)



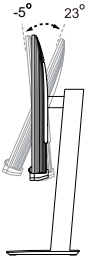
(Figure 2)



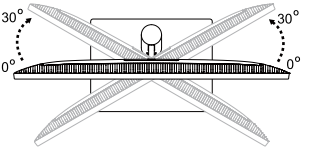
(Figure 3)

2.4 Adjusting the monitor

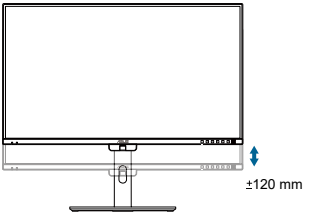
- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- You can adjust the monitor's angle from +23˚ to -5˚, +/- 30˚ swivel adjustment from either left or right, and it allows +/- 90˚ pivot adjustment. You can also adjust the monitor's height within +/- 120 mm.



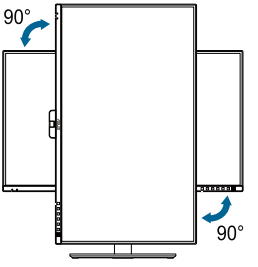
(Tilt)



(Swivel)



(Height adjustment)

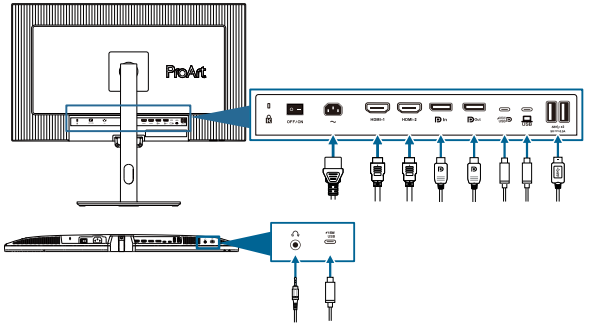


(Pivot)

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

2.5 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/USB Type-C* cable**:
  a. Plug one end of the HDMI/DisplayPort/USB Type-C* cable to the monitor's HDMI/DisplayPort/USB Type-C jack.
  b. Connect the other end of the HDMI/DisplayPort/USB Type-C* cable to your device's HDMI/DisplayPort/USB Type-C jack.

It is suggested to use USB cerified Type-C cable. If the signal source supports DP Alt mode, all video, audio and data signal can be transmitted.

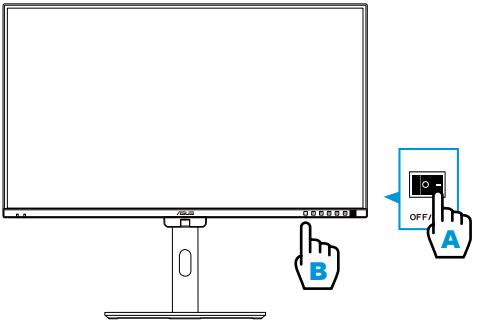
- **To use the USB 3.2 Gen 1 ports**:
  » Upstream: Use an USB Type-C cable and plug on end of the Type-C connector to the monitor's USB Type-C port as upstream and the other end to your computer's USB Type-C jack. Or use an USB Type-C to Type-A cable and plug the Type-C connector to the the monitor's USB Type-C as upstream and the Type-A connector to your computer's USB Type-A jack. Make sure your computer is installed with the Windows, macOS operating system. That will enable the USB ports on the monitor to work.
  » Downstream: Use an USB cable to connect your device with the monitor's USB Type-A jack.
- **To use the earphone:** connect the end with plug type to the monitor's earphone jack when an HDMI/DisplayPort/USB Type-C signal is fed.

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

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

2.6 Turning on the monitor

Set the AC switch to ON position (A), and then press the ⏻ button (B). See page 1-3 for the location of the Power button. The power indicator lights up in white to show that the monitor is ON.



3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure





1. Press any button to display the OSD menu.
2. Press the Menu (5-way) button to enter the OSD main menu.
3. 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 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 to activate it.
4. Move the Menu (5-way) button up/down to change the settings of the selected function.
5. 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 1-4.

3.1.2 OSD function introduction

1. Preset

This function contains 14 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.



- **Native**: Best choice for document editing.

Energy star® cert done in native mode.

- **sRGB**: Compatible with sRGB color space, sRGB mode is the best choice for document editing.
- **Adobe RGB**: Compatible with Adobe RGB color space.
- **BT.2020**: Compatible with BT.2020 color space.
- **DCI-P3 Mode**: Compatible with DCI-P3 color space.
- **DICOM Mode**: Compatible with DICOM standard, best choice for medical image checking.
- **Rec. 709 Mode**: Compatible with Rec. 709 color space.
- **HDR_PQ DCI**: High Dynamic Range. Contains three HDR modes (**PQ Optimized**, **PQ Clip**, and **PQ Basic**).
- **HDR_PQ BT.2020**: Compliant with BT.2020 color gamut and D65 white point.
- **HDR_HLG BT.2100**: Compliant with BT.2100.
- **HDR_HLG DCI**: Compliant with DCI-P3.
- **User Mode 1/User Mode 2/User Mode 3**: Allows you to make color adjustments in the Advanced Setting.

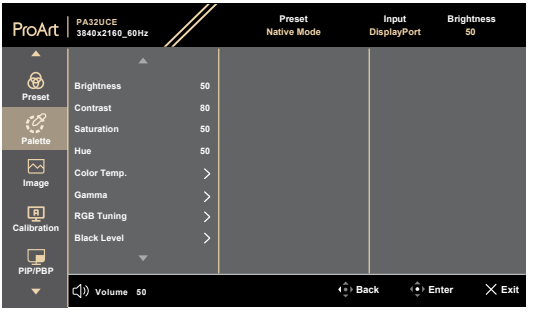
Below table shows the default configurations for each ProArt Preset mode:

Function	Native	sRGB	Adobe RGB	Rec 709	DCI-P3	BT.2020	DICOM
Color Temp.	6500K	Fixed (6500K)	6500K	6500K	P3-Theater	6500K	6500K
Brightness	280	fixed 80nits	160nits	100 nits	48nits	100nits	200
Contrast	80	80	80	80	80	80	80
Sharpness	Enable	Enable	Enable	Enable	Enable	Enable	Enable
Saturation	Middle (50)	Disable	Middle (50)	Middle (50)	Middle (50)	Middle (50)	Middle (50)
Hue	Middle (50)	Disable	Middle (50)	Middle (50)	Middle (50)	Middle (50)	Middle (50)
ProArt Pallette/ Color	Enable	Fixed	Enable	Enable	Enable	Enable	Enable
Blacklevel	Enable	Enable	Enable	Enable	Enable	Enable	Enable
Input Range	Enable	Enable	Enable	Enable	Enable	Enable	Enable
Gamma	Enable (2.2)	Fixed (2.2)	(2.2)	(2.4)	Enable (2.2/2.6 only)	(2.4)	Fixed (Off)
Light Sync	Enable	Fixed (default)	Enable	Enable	Enable	Enable	Enable
Uniformity Compensation	Enable	Enable	Enable	Enable	Enable	Enable	Enable

Function	HDR_PQ DCI	HDR_PQ BT.2020	HDR_HLG BT.2100	HDR_HLG DCI	User Mode 1/ User Mode 2/ User Mode 3
Color Temp.	Fixed (6500K)	Fixed (6500K)	Fixed (6500K)	Fixed (6500K)	6500K
Brightness	300nits/Max	300nits/Max	300nits/Max	300nits/Max	200
Contrast	Fixed (default)	Fixed (default)	Fixed (default)	Fixed (default)	80
Sharpness	Enable	Enable	Enable	Enable	Enable
Saturation	Fixed (default)	Fixed (default)	Fixed (default)	Fixed (default)	Middle (50)
Hue	Fixed (default)	Fixed (default)	Fixed (default)	Fixed (default)	Middle (50)
ProArt Pallette/ Color	Enable (RGB Gain only)	Enable (RGB Gain only)	Enable (RGB Gain only)	Enable (RGB Gain only)	Enable (RGB Gain only)
Blacklevel	Enable	Enable	Enable	Enable	Enable
Input Range	Enable	Enable	Enable	Enable	Enable
Gamma	Fixed (Off)	Fixed (Off)	Fixed (Off)	Fixed (Off)	(2.2)
Light Sync	Enable	Enable	Enable	Enable	Enable
Uniformity Compensation	Fixed (Off)	Fixed (Off)	Fixed (Off)	Fixed (Off)	Enable

2. Palette

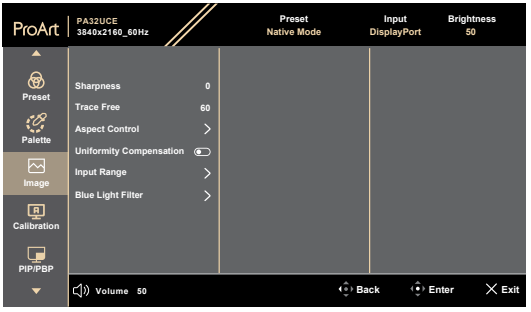
Set a desired color setting from this menu.



- **Brightness**: The adjusting range is from 0 to 400.
- **Contrast**: The adjusting range is from 0 to 100.
- **Saturation**: The adjusting range is from 0 to 100.
- **Hue**: Shifts the image color between green and purple.
- **Color Temp.**: Contains 5 modes including 9300K, 6500K, 5500K, 5000K and P3-Theater. P3-Theater is only available for DCI-P3 Mode.
- **Gamma**: Allows you to set the color mode to 2.6, 2.4, 2.2, 2.0 or 1.8.
- **RGB Tuning**:
  - **Gain**: The adjusting range is from 0 to 400.
  - **Offset**: The adjusting range is from 0 to 400.
- **Black Level**: To adjust the initialized 1st signal level of darkest gray level.
  - **Signal**: The adjusting range is from 0 to 100.
  - **Backlight**: To adjust darkness of backlight.
- **Color Reset**:
  - **Current Preset**:
    Resets the color settings of current color mode to the factory default value.
  - **All Presets**:
    Resets the color settings of all color modes to the factory default value.

3. Image

Set the image related setting from this menu.



- **Sharpness**: The adjusting range is from 0 to 100.
- **Trace Free**: Adjusts the response time of the monitor.

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

- **Aspect Control**: Adjusts the aspect ratio to **Full**, **Dot to Dot** or **1:1 Ratio**.

To activate this function, you need to do the following: turn off **MediaSync** and **PBP**.

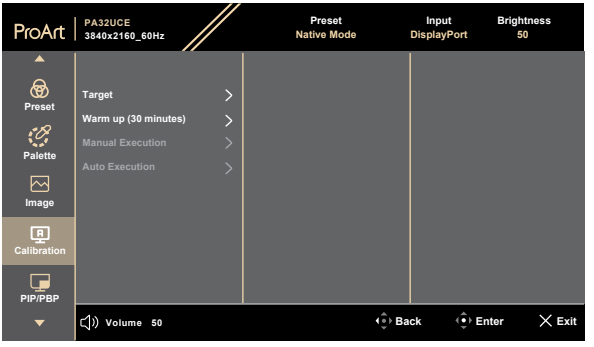
- **Uniformity Compensation**: Adjusts different areas of the screen to reduce any screen uniformity errors, providing consistent brightness and color across the entire screen.
- **Input Range**: To map signal range with whole black to white presented range of display.
- **Blue Light Filter**: Adjust the strength of blue light filter.

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

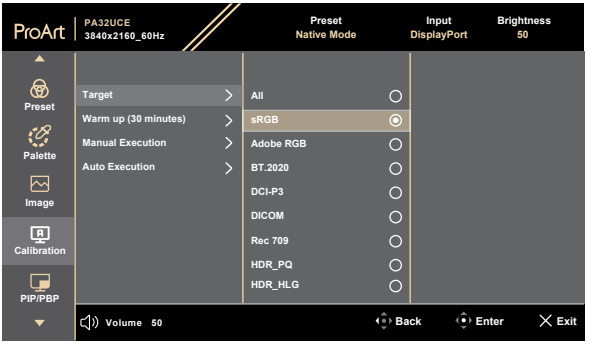
4. Calibration

Perform standalone calibration to ensure color accuracy every working period.

To maintain the accuracy of the schedule, ensure that the AC switch is always set to ON position.



- **Target**: Select the preset modes to be performed standalone calibration. Single or multiple modes are both workable.



- **Warm up**: Set whether to warm up for 30 minutes before standalone calibration. (Recommended)



- **Manual Execution**: Manually perform the standalone calibration. Select "Yes" to start.



- **Auto Execution**: Allow the system to automatically perform standalone calibration for your personalized time setup.

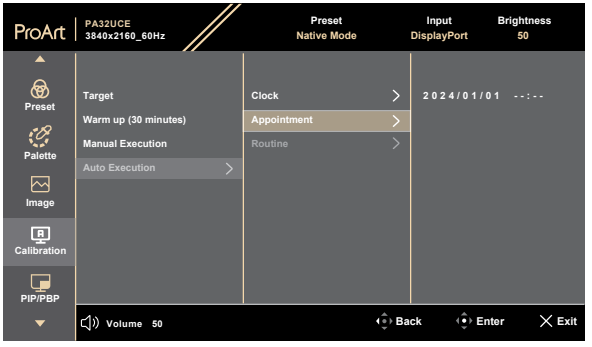


* **Clock**: Set the current time.



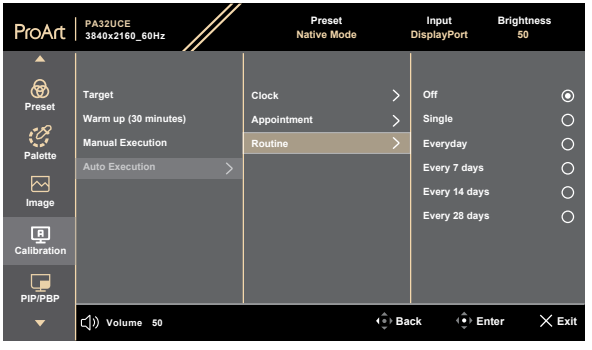
* **Appointment**: Set the start time of standalone calibration.

Appointment's setting needs to be later than Clock's.



* **Routine**: Set the repeat cycle of standalone calibration.

Auto Execution will be disabled when "Off" is selected.



5. PIP/PBP

The PIP/PBP menu allows you to open up another sub-window connected from another video source (when input source is below 60Hz) besides the main-window from your original video source.

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



- **PIP/PBP Mode**: Selects **PIP**, **PBP** function, or turn it off.

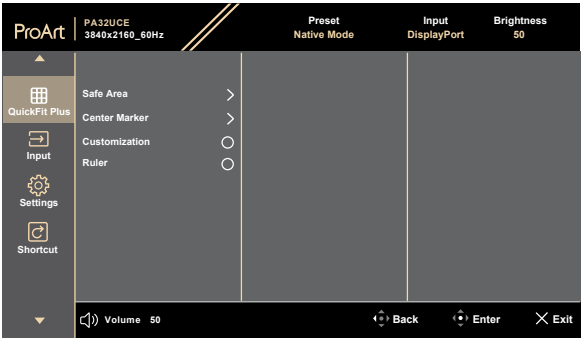
To scale both displays to full screen in PBP mode, set resolution settings for both as 1920 x 2160 in OS display settings. (And make sure that the scaling option is "Maintain Display Scaling" if you are using an Intel graphic card.)

- **PIP/PBP Source**: Selects the video input source from among **HDMI-1**, **HDMI-2**, **DisplayPort** and **USB Type-C**. The table below shows the input source combinations.
- **Color setting**: Select color Preset for Main and Sub windows.
- **PIP Size**: Adjusts the PIP size to **Small**, **Medium** or **Large** (Only available for the PIP mode).

6. QuickFit Plus

In this function, you can use different kinds of alignment patterns.

To activate this function, you need to do the following: turn off PIP/PBP, disable HDR on your device and restore your screen back to normal position (do not rotate).



- **Safe Area**: Facilitates designers and users to organize content and layout on one page and achieve a consistent look and feel. The selections are: **1:1**, **Action Safe**, **Title Safe**, **3 x 3**.
- **Center Marker**: Adjusts the **Type 1**, **Type 2**, **Type 3**.
- **Customization**: You can decide the frame size by moving the Menu (5-way) button up/down/left/right. You can press the Menu (5-way) button for longer than 3 seconds to switch the measurements between millimeter and inch.
- **Ruler**: This pattern presents physical ruler on top and left side. You can press the Menu (5-way) button for longer than 3 seconds to switch the measurements between metric and imperial.

7. Input

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



- **Auto Detection**: automatically detects other active signals when current input signal is inactive.

To activate this function, you need to do the following: remove the connection of Daisy-Chain DisplayPort output (to disable MST output).

8. Settings

Allows you to adjust the system.



- **HDR Preview**: Allows you to preview non-HDR content performance with HDR and HLG mapping. While HDR Preview function is on, only HDR_PQ DCI, HDR_PQ BT.2020, HDR_HLG, and HDR_HLG DCI options can be chosen.
- **MediaSync**: Turn on VESA MediaSync support.
  - * MediaSync can only be activated within 40Hz ~ 60Hz.
  - * For supported GPUs, minimum PC system and driver requirements, please contact the GPU manufactures.

To activate this function, you need to do the following: turn off PIP/PBP.

- **Dynamic Dimming**: Synchronizes with contents while contrast changing to execute backlight dynamic dimming. You can adjust the synchronization speed from "**Off**" to "**Max**".

To activate this function, you need to do the following: turn off **PIP/PBP**.

- **Power Saving**: Select **Normal Level** for power on hub during power saving. Select **Deep Level** for power off hub during power saving.

To activate daisy chaining, you need to do the following: set Power Saving to Normal Level. Note: Input port will be fixed (no auto detection) when DP out cable is plugged.

- **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**.
  * Enables or disables the **Auto Rotation** function.



To activate OSD Auto Rotation, you need to do the following: turn off PIP/PBP.

- **Language**: There are 22 languages for your selection, including English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungrian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian.
- **Sound:**
  * Adjusts **Volume** from 0 to 100.
  * **Mute** or un-Mute the audio output.
  * Select audio input from PIP/PBP **Sources**.



To activate Sound function, you need to do the following: turn on PIP/PBP.

- **DisplayPort Stream**: Compatibility with graphic card. Select **DisplayPort 1.2**, **DisplayPort 1.4** or **DisplayPort 1.4 + USB 3.2** by graphic card DP version.
- **Lock**:
  * **Key**: To disable all function keys. Push the 5-way button down for over 5 seconds to cancel the key lock function.
  * **Preset Setting**: To lock all parameters and disable (gray out) ProArt Palette.
- **Power Indicator**: Turns the power LED indicator on/off.
- **Light Sync:** Adjusts backlight luminance and color temperature according to ambient or internal light conditions.
  * **Backlight brightness:** Compensates backlight strength according to the luminance difference away from default condition.
  * **Ambient Brightness:** Adjust backlight luminance dynamically according to ambient lighting.
  * **Ambient Color Temperature:** Adjust color temperature dynamically according to ambient lighting.

- **Proximity Sensor**: If the function is enabled and the system does not detect the presence of object within 30cm-90cm over the preset time, the system will automatically decrease brightness periodically.

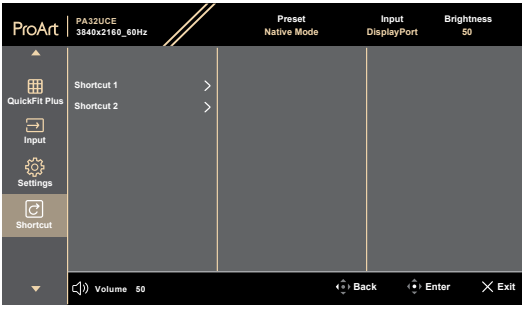


- Recovery time would be within 2 seconds.
- Detectable ability and distance are different according to the object and environment.
- Please avoid placing objects in front of the sensor (between 30cm and 90cm), as it will cause the function of the sensor to fail (misjudging that someone is ahead).

- **KVM:** Allows users to assign corresponding USB upstream ports to their HDMI/ DisplayPort connections. It follows the rules below.
  * Upstream 1/Auto takes priority after an All Reset, selected if connected.
  * 1st connected upstream takes priority. This means if only an upstream is connected, KVM switches to it regardless of the OSD settings.
  * Selects last effective option after powered on if both connected.
  * Switches KVM after switching port manually or automatically if there's a matched option selected.
  * Switches KVM immediately if any option is changed in OSD menu, only if the corresponding upstream is connected.
- **CEC:** Connects the power on and shutdown control of the monitor and a NUC mini PC connected to it via HDMI port.
  * Switches on or off the monitor using the power button in the front bezel also turns on or off the NUC connected to it.
  * Switches on or off the NUC connected to also turns on or off the monitor.
- **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.

When a certain function is selected or activated, your shortcut key may not support. Available function choices for shortcut: Blue Light Filter, Brightness, Preset, HDR, PIP/PBP Setting, Color Temp., QuickFit Plus, Volume, User Mode 1, User Mode 2, User Mode 3.

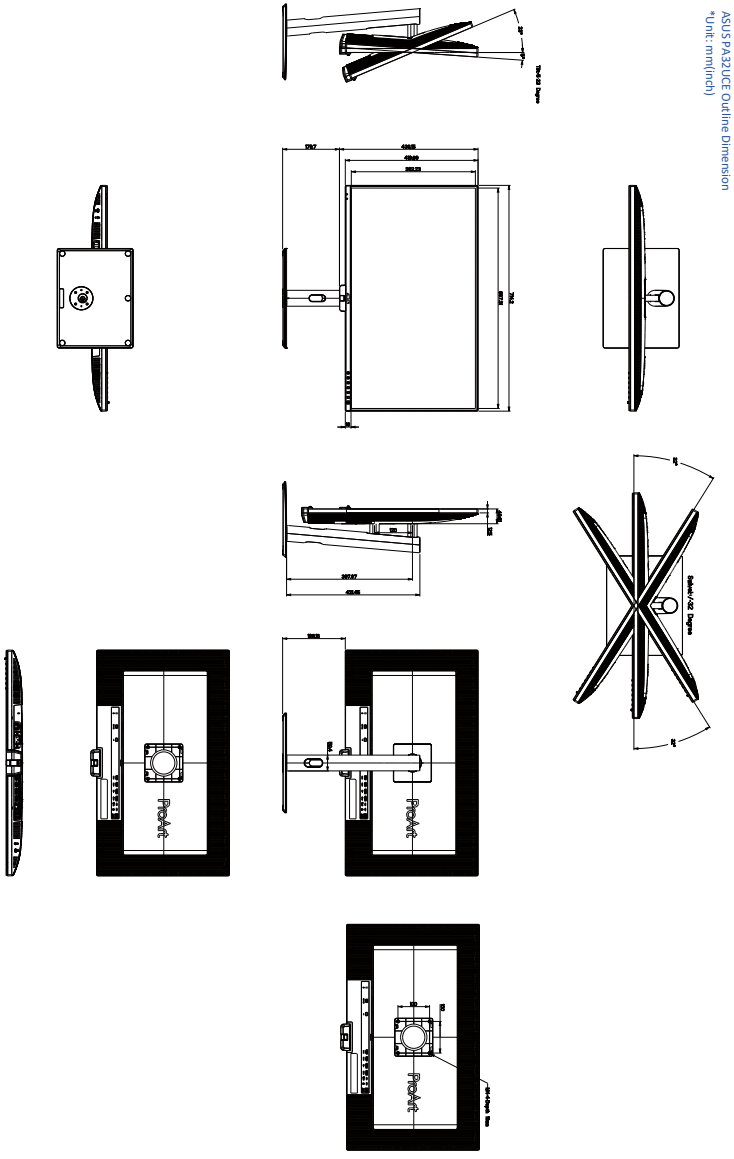
3.2 Specifications summary

Panel Type	TFT LCD
Panel size	31.5" (16:9, 80 cm) wide screen
Max. Resolution	3840 x 2160
Pixel pitch	0.180 mm x 0.180 mm
Brightness (Typ.)	400 cd/m^2 (Full Screen)
Contrast Ratio (Max.)	1000:1
Viewing angle (H/V) CR>10	178˚/178˚
Display colors	1073.7M (8 bits + FRC)
Response time	5 ms (GTG)
ProArt Preset selection	14 color preset modes
Auto adjustment	No
Color temperature selection	5 color temperatures
Analog input	No
Digital input	DisplayPort v1.4, HDMI 2.0 x 2, DisplayPort over USB Type-C
Digital Output	DisplayPort
Earphone jack	Yes
Audio input	No
Speaker (Built-in)	2 W x 2 Stereo
USB 3.2 Gen 1 port	1 x USB 3.2 Gen 1 upstream Type-C (for KVM use) 1 x USB 3.2 Gen 1 downstream Type-C 2 x USB 3.2 Gen 1 downstream Type-A
Colors	Black
Power LED	White (On)/Amber (Standby)
Tilt	+23˚~ -5˚
Pivot	+90˚~ -90˚
Swivel	+30˚~ -30˚
Height Adjustment	120 mm
Kensington lock	Yes
AC input voltage	AC: 100~240V
Power consumption	Power On: 25.64 W**(Typ.), Power Standby: ≤ 0.5 W, DC Power Off: 0.3 W, AC Switch Off: 0 W
Temperature (Operating)	0˚C~40˚C
Temperature (Non-operating)	-20˚C~+60˚C
Dimension (W x H x D) without stand	714.2 mm x 438.15 mm x 46.8 mm
Dimension (W x H x D) with stand	714.2 mm x 617.85 mm x 240 mm (highest) 714.2 mm x 497.85 mm x 240 mm (lowest) 900 mm x 515 mm x 162 mm (package)

Weight (Esti.)	8.9 kg (Net); 5.8 kg (Net, without stand); 14.1 kg (Gross)
Multi-languages	22 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian)
Accessories	Quick start guide, warranty card, power cord, HDMI cable, DisplayPort cable, USB C to C cable (optional), USB C to A cable (optional), color calibration testing report, ProArt welcome card, Monitor Hood
Compliance and Standards	cTUVus, FCC, ICES-3, EPEAT Gold, CB, CE, ErP, WEEE, EU Energy, ISO 9241-307, UkrSEPRO, CU, CCC, CEL, BSMI, RCM, VCCI, PSE, PC Recycle, J-MOSS, KC, KCC, Korea MEPS, Ukraine EE, PSB, Energy Star®, RoHs, CEC, Windows 10/11 WHQL, TÜV Flicker Free, TÜV Low Blue Light, FSC Mix

***Specifications are subject to change without notice.**
****Power consumption of On Mode as defined in Energy Star 8.0 version.**

3.3 Outline dimensions



3.4 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 if the power switch is ON.
The power LED lights amber 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 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	• 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 All Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
No sound or sound is low	• Ensure that the HDMI/DisplayPort/USB Type C cable is properly connected to the monitor and the computer. • Adjust the volume settings of both your monitor and HDMI/DisplayPort/USB Type C device. • Ensure that the computer sound card driver is properly installed and activated.

3.5 Supported operating modes

Resolution Frequency	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel (MHz)	Full Screen/ PIP	PBP
640 x 480	31.469(N)	59.94(N)	25.175	V	V
720 x 480	31.469	59.94	27		
720 x 576	31.25	50	27		
800 x 600	37.879(P)	60.317(P)	40	V	V
1024 x 768	48.363(N)	60.004(N)	65	V	V
1280 x 720	37.5	50	74.25		
1280 x 720	45(P)	60(P)	74.25	V	V
1280 x 960	60(P)	60(P)	108	V	V
1280 x 1024	63.981(P)	60.02(P)	108	V	V
1600 x 1200	75(P)	60(P)	162	V	V
1920 x 1080	27	24	74.25		
1920 x 1080	28.125	25	74.25		
1920 x 1080	33.75	30	74.25		
1920 x 1080	56.25	50	148.5		
1920 x 1080	67.5(P)	60(P)	148.5	V	V
1920 x 2160	65.918	30	168.75		
3840 x 2160	133.125	60	532.5		
1920 x 2160	133.293	60	277.25		
1920 x 2160	134.13	60	356.25		
2560 x 1440	88.787	60	241.5		
3840 x 2160	52.375	24	209.5		
3840 x 2160	54	24	297		
3840 x 2160	56.25	25	297		
3840 x 2160	65.625	30	262.5		
3840 x 2160	67.5	30	297		
3840 x 2160	112.5	50	594		
3840 x 2160	135	60	594		

"P" / "N" stands for "Positive" / "Negative" polarity of incoming H-sync/V-sync (input timing).

When the monitor is operating in the video mode (ie, not displaying data), the following high definition modes shall be supported in addition to standard definition video.

Resolution	Vertical Frequency (Hz)
3840 x 2160p	60Hz
	50Hz
	30Hz
	25Hz
	24Hz
1920 x 1080p	60Hz
	50Hz
	30Hz
	25Hz
	24Hz
1280 x 720p	60Hz
	50Hz
720 x 576p	50Hz
720 x 480p	60Hz
720 x 576p	50Hz
720 x 480p	60Hz
640 x 480p	60Hz
1920x1080i	60Hz
	50Hz
720(1440) x 576i	50Hz
720(1440) x 480i	60Hz

