

PORSCHE DESIGN



AGON
BY AOC

User Manual

PD32M

www.aoc.com

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Safety

National Conventions

The following subsections describe notational conventions used in this document.

Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, cautions, and warnings, and they are used as follows:



NOTE: A NOTE indicates important information that helps you make better use of your computer system.



CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.




WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem. Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

Power

 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 supplied to your home, consult your dealer or local power company.


 The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.

 Unplug the unit during a lightning storm or when it will not be used for long periods of time. This will protect the monitor from damage due to power surges.

 Do not overload power strips and extension cords. Overloading can result in fire or electric shock.

 To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100-240V AC, Min. 5A.

 The wall socket shall be installed near the equipment and shall be easily accessible.

 For use only with the attached power adapter

Manufacturers: LITE-ON Technology Corp. Model: PA-1331-99 (19.5Vdc,16.9A)

Manufacturers: DELTA ELECTRONICS,INC. Model: ADP-330CB B (19.5Vdc,16.9A)

Installation

! Do not place the monitor on an unstable cart, stand, tripod, bracket, or table. If the monitor falls, it can injure a person and cause serious damage to this product. Use only a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with this product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. A product and cart combination should be moved with care.

! Never push any object into the slot on the monitor cabinet. It could damage circuit parts causing a fire or electric shock. Never spill liquids on the monitor.

! Do not place the front of the product on the floor.

! If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.

! **WARNING: SUPPLY LINES! DANGER TO LIFE BY ELECTRIC SHOCK!**

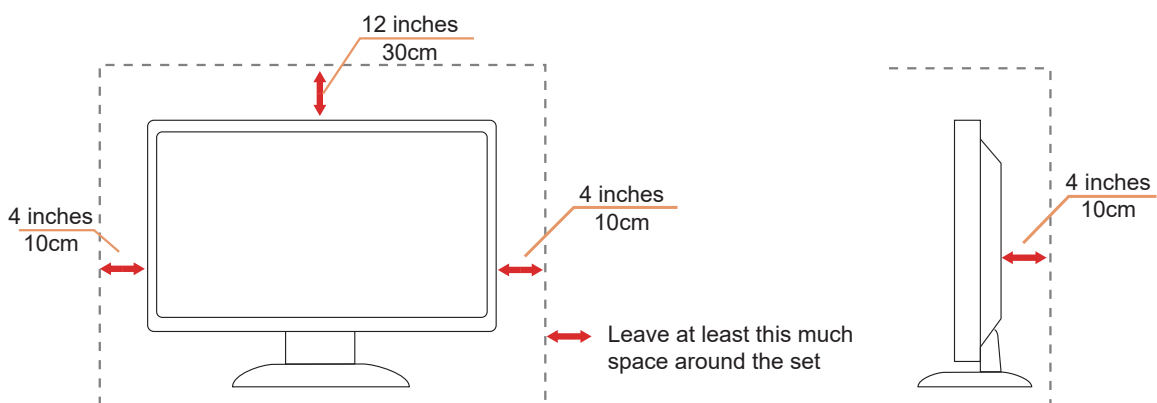
Take appropriate measures to avoid damaging supply lines (electric, gas, water) during wall mounting.

! Leave some space around the monitor as shown below. Otherwise, air-circulation may be inadequate hence overheating may cause a fire or damage to the monitor.


! To avoid potential damage, for example the panel peeling from the bezel, ensure that the monitor does not tilt downward by more than -5 degrees. If the -5 degree downward tilt angle maximum is exceeded, the monitor damage will not be covered under warranty.


See below the recommended ventilation areas around the monitor when the monitor is installed on the wall or on the stand:

Installed with stand



Cleaning


 Clean the cabinet regularly with a water-dampened, soft cloth.


 When cleaning use a soft cotton or microfiber cloth. The cloth should be damp and almost dry, do not allow liquid into the case.





 Please disconnect the power cord before cleaning the product.

Other

 If the product is emitting a strange smell, sound or smoke, disconnect the power plug IMMEDIATELY and contact a Service Center.

 Make sure that the ventilating openings are not blocked by a table or curtain.


 Do not engage the LCD monitor in severe vibration or high impact conditions during operation.


 Do not knock or drop the monitor during operation or transportation.


 **DANGER TO LIFE AND RISK OF ACCIDENTS FOR INFANTS AND CHILDREN!**

Never leave children unsupervised with the packaging material. The packaging material poses a suffocation hazard. Children frequently underestimate dangers.

Always keep children away from the product.

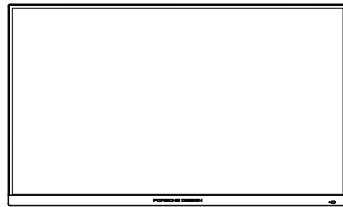
 Keep all documents for future use. When passing this product on to third parties, please include the installation instructions and safety notes.

 Do not place the device near a heat source and protect it from direct sunlight.

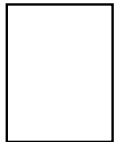
 Never expose the device to humidity, condensation or moisture.

Setup

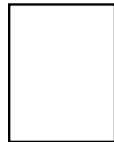
Contents in Box



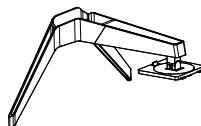
Monitor



QSG



Warranty Card



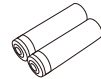
Stand/Base



Quick Switch Keypad



Porsche Design
USB Disk



Battery



Power Cable



Adaptor



DP Cable



HDMI Cable



USB Cable



USB C-C Cable



Micphone Cable

* Not all signal cables will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.



For use only with the attached power adapter

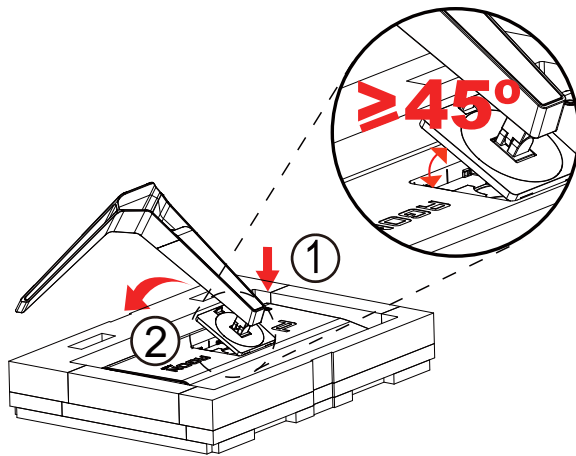
Manufacturers: LITE-ON Technology Corp. Model: PA-1331-99 (19.5Vdc,16.9A)

Manufacturers: DELTA ELECTRONICS,INC. Model: ADP-330CB B (19.5Vdc,16.9A)

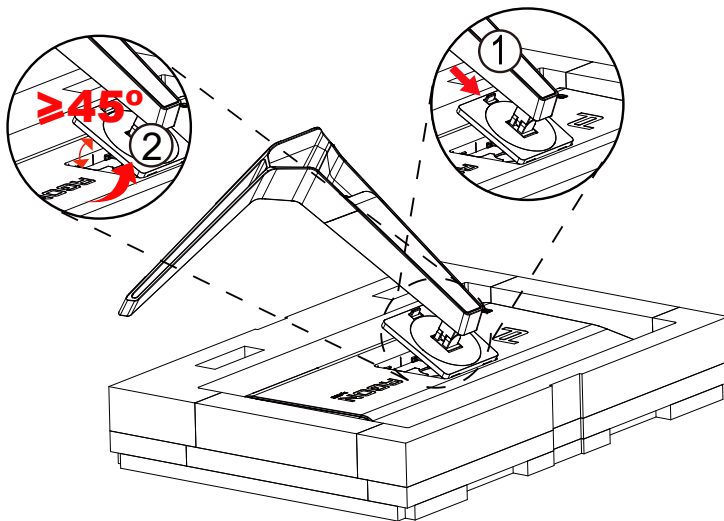
Setup Stand & Base

Please setup or remove the base following the steps as below.

Setup:

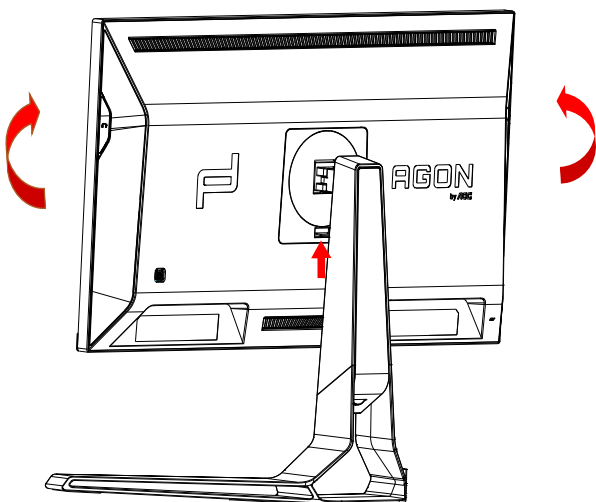


Remove:



Note:

When the Monitor is rotated vertically, the quick release button is no effect, the stand/ base cannot be removed.

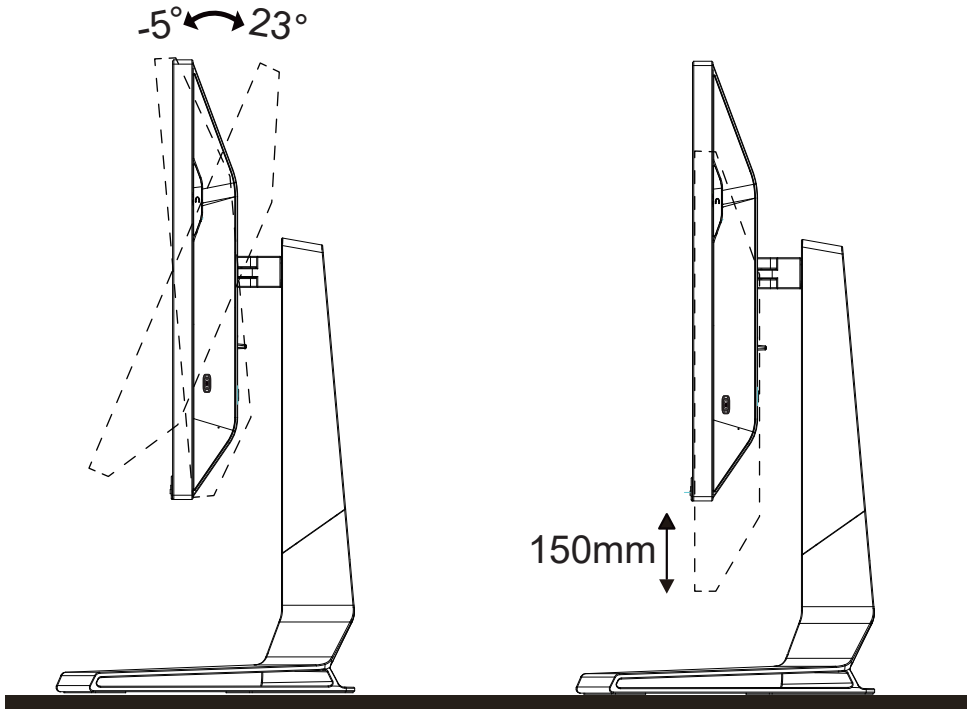


Adjusting the monitor

For optimal viewing it is recommended to look at the full face of the monitor, then adjust the monitor's angle to your own preference.

Hold the stand so you will not topple the monitor when you change the monitor's angle.

You are able to adjust the monitor as below:



NOTE:

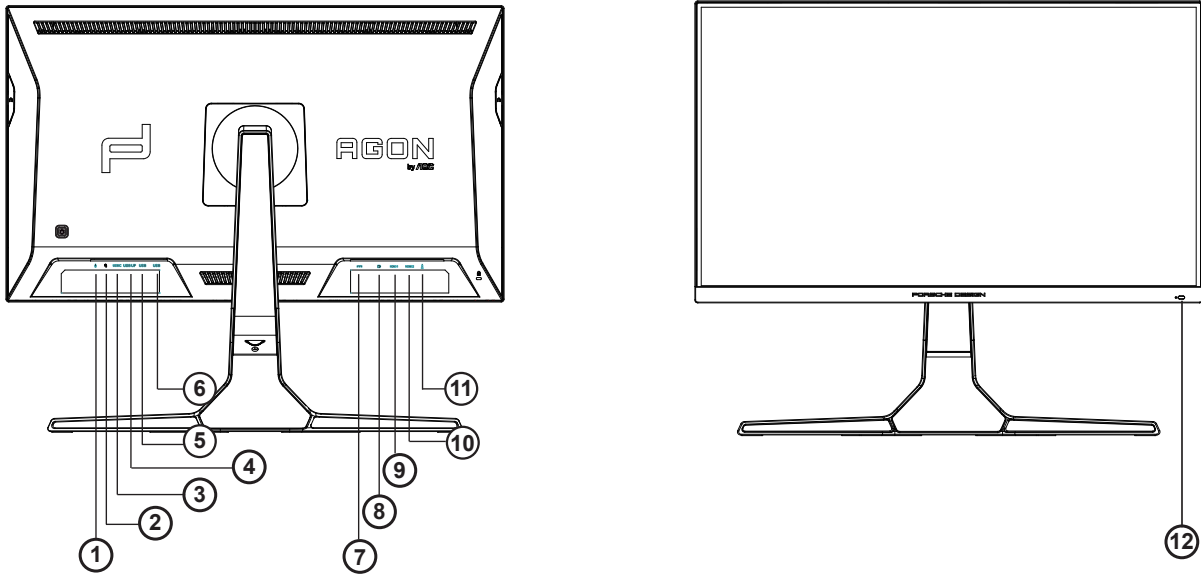
Do not touch the LCD screen when you change the angle. Touching the LCD screen may cause damage.

Warning:

1. To avoid potential screen damage, such as panel peeling, ensure that the monitor does not tilt downward by more than -5 degrees.
2. Do not press the screen while adjusting the angle of the monitor. Grasp only the bezel.

Connecting the Monitor

Cable Connections In Back of Monitor and Computer:



1. Microphone in
2. Earphone (Combined with Microphone)
3. USB C
4. USB UP
5. USB3.2 Gen1+fast charging
6. USB3.2 Gen1
7. DC IN
8. DP
9. HDMI1
10. HDMI2
11. Microphone out (Connect to PC)

Connect to PC

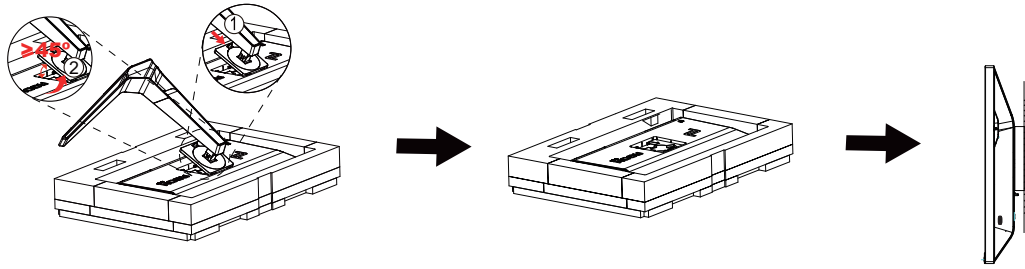
1. Connect the power cord to the back of the display firmly.
2. Turn off your computer and unplug its power cable.
3. Connect the display signal cable to the video connector on the back of your computer.
4. Plug the power cord of your computer and your display into a nearby outlet.
5. Turn on your computer and display.

If your monitor displays an image, installation is complete. If it does not display an image, please refer Troubleshooting.

To protect equipment, always turn off the PC and LCD monitor before connecting.

Wall Mounting

Preparing to Install An Optional Wall Mounting Arm.

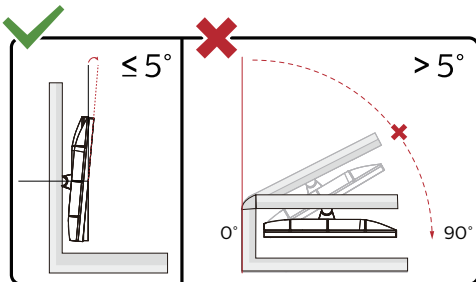


This monitor can be attached to a wall mounting arm you purchase separately. Disconnect power before this procedure. Follow these steps:

1. Remove the base.
2. Follow the manufacturer's instructions to assemble the wall mounting arm.
3. Place the wall mounting arm onto the back of the monitor. Line up the holes of the arm with the holes in the back of the monitor.
4. Reconnect the cables. Refer to the user's manual that came with the optional wall mounting arm for instructions on attaching it to the wall.



Noted: VESA mounting screw holes are not available for all models, please check with the dealer or official department of AOC.



* Display design may differ from those illustrated.

Warning:

1. To avoid potential screen damage, such as panel peeling, ensure that the monitor does not tilt downward by more than -5 degrees.
2. Do not press the screen while adjusting the angle of the monitor. Grasp only the bezel.

Adaptive-Sync function

1. Adaptive-Sync function is working with DP/HDMI/USB C.
2. Compatible Graphics Card: Recommend list is as the below, also could be checked by visiting www.AMD.com

Graphics Cards

- Radeon™ RX Vega series
- Radeon™ RX 500 series
- Radeon™ RX 400 series
- Radeon™ R9/R7 300 series (excluding R9 370/X)
- Radeon™ Pro Duo (2016 edition)
- Radeon™ R9 Nano
- Radeon™ R9 Fury series
- Radeon™ R9/R7 200 series (excluding R9 270/X, R9 280/X)

Processors

- AMD Ryzen™ 7 2700U
- AMD Ryzen™ 5 2500U
- AMD Ryzen™ 5 2400G
- AMD Ryzen™ 3 2300U
- AMD Ryzen™ 3 2200G
- AMD PRO A12-9800
- AMD PRO A12-9800E
- AMD PRO A10-9700
- AMD PRO A10-9700E
- AMD PRO A8-9600
- AMD PRO A6-9500
- AMD PRO A6-9500E
- AMD PRO A12-8870
- AMD PRO A12-8870E
- AMD PRO A10-8770
- AMD PRO A10-8770E
- AMD PRO A10-8750B
- AMD PRO A8-8650B
- AMD PRO A6-8570
- AMD PRO A6-8570E
- AMD PRO A4-8350B
- AMD A10-7890K
- AMD A10-7870K
- AMD A10-7850K
- AMD A10-7800
- AMD A10-7700K
- AMD A8-7670K
- AMD A8-7650K
- AMD A8-7600
- AMD A6-7400K

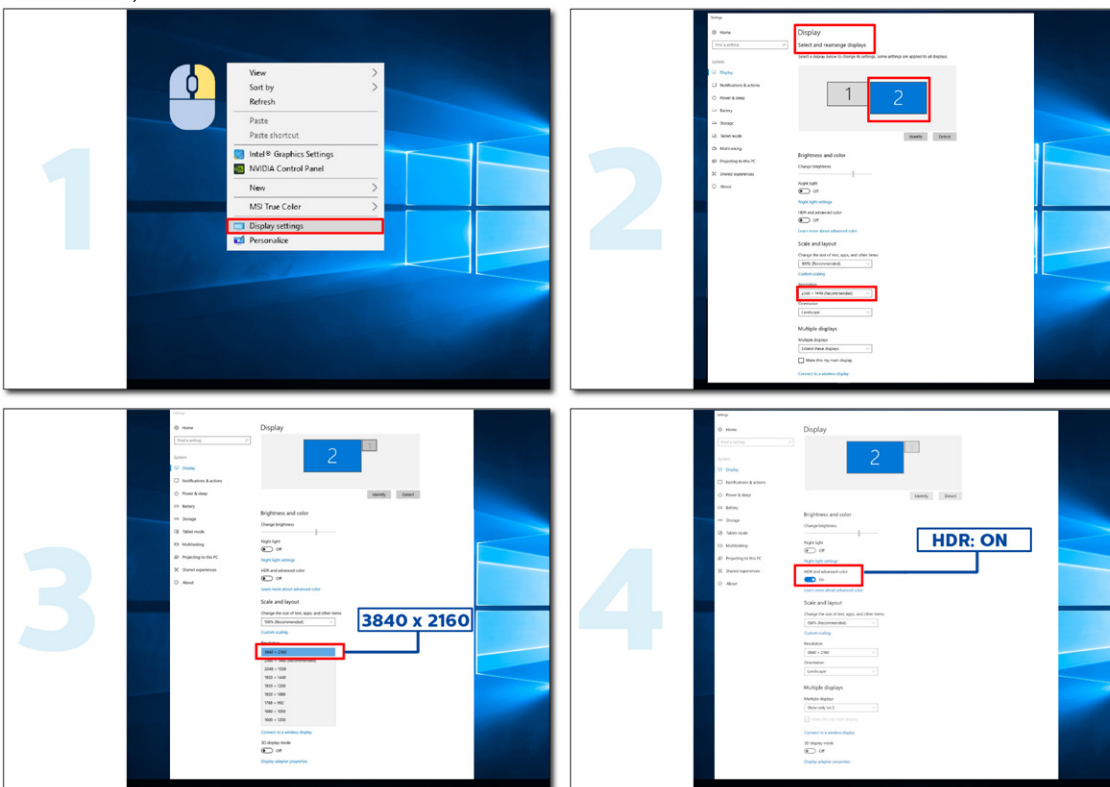
HDR

It is compatible with input signals in HDR10 format.

The display may automatically activate the HDR function if the player and content are compatible. Please contact the device manufacturer and the content provider for information on the compatibility of your device and content. Please select "OFF" for the HDR function when you have no need for automatic activation function.

Note:

1. No special setting is needed for the DisplayPort/HDMI interface in WIN10 versions lower (older) than V1703.
2. Only the HDMI interface is available and the DisplayPort interface cannot function in WIN10 version V1703.
3. 3840x2160@50Hz/60Hz only suggest for Blu-ray Player, Xbox and PlayStation.
- a. The display resolution is set to 3840*2160, and HDR is preset to ON. Under these conditions, the screen may slightly dim, indicating HDR has been activated.
- b. After entering an application, the best HDR effect can be achieved when the resolution is changed to 3840*2160 (if available).



KVM function

What is KVM?

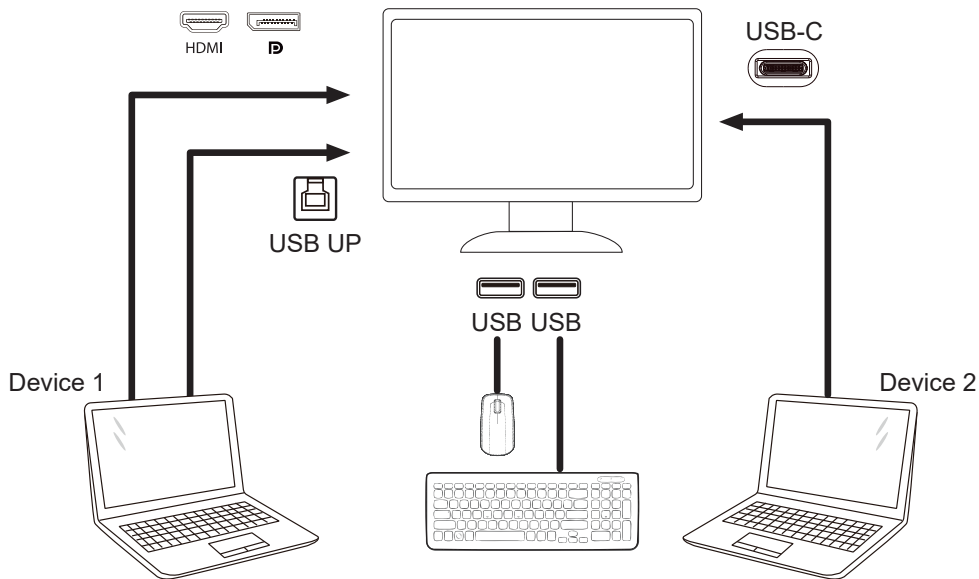
With KVM function, you can show two PCs, or two notebooks, or one PC and one notebook on one AOC monitor and control the two devices with one set of keyboard and mouse. Switch your control over your PC or notebook devices by choosing input signal source on “Input Select” of OSD menu.

How to use KVM?

Step 1: Please connect one device (PC or notebook) to monitor via USB C.

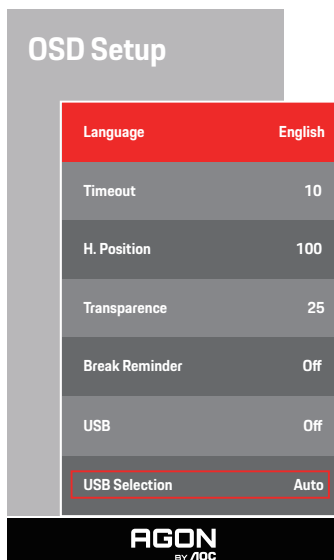
Step 2: Please connect the other device to monitor via HDMI or DisplayPort. Then please also connect this device to monitor with USB upstream.

Step 3: Please connect your peripherals (keyboard and mouse) to monitor via USB port.



Note: Display design may differ from that illustrated

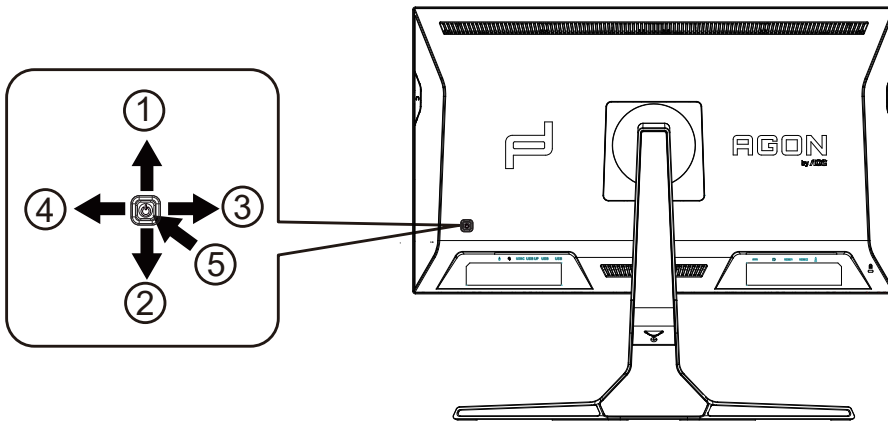
Step 4: Enter to OSD menu. Go to OSD Setup page and select “Auto”, “USB C”, or “USB UP” of USB Selection tab.



| USB Selection | Function Description |
|---------------|---|
| Auto | Auto selects USB C or USB Up depending on the input source. |
| USB C | Provides USB Hub function through Type-C cable. |
| USB Up | Provides USB Hub function through USB B cable. |

Adjusting

Hotkeys



| | |
|---|-------------------|
| 1 | Source/Up |
| 2 | Dial Point/Down |
| 3 | Game Mode/Left |
| 4 | Light FX /Right |
| 5 | Power/ Menu/Enter |

Power/Menu/Enter

Press the Power button to turn on the monitor.

When there is no OSD, Press to display the OSD or confirm the selection. Press about 2 seconds to turn off the monitor.

Dial Point/Down

When there is no OSD, press Dial Point button to show / hide Dial Point.

Game Mode/Left

When there is no OSD, press "Left" key to open game mode function, then press "Left" or "Right" key to select game mode (FPS, RTS, Racing, Gamer 1, Gamer 2 or Gamer 3) basing on the different game types.

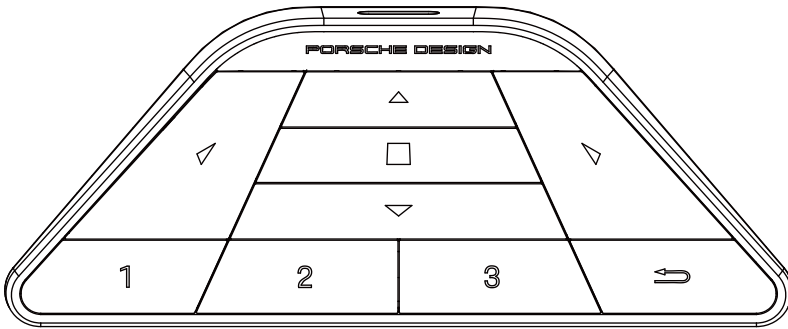
Light FX/Right

When there is no OSD, press "Right" key to active Light FX function.

Source/Up

When the OSD is closed, press Source/Up button will be Source hot key function.

Quick Switch



When the OSD is not displayed, press ◀ to open the game mode to adjust the menu.



When the OSD is not displayed, press ▶ to open the gaming ambient light to adjust the menu.

Menu/■:

When the OSD is not displayed, press this button to display the OSD menu or confirm the option.
When the display is in standby mode, press and hold this button to turn on/off the display power.



When the OSD is not displayed, press ▲ to activate the signal source switch function.



When the OSD is not displayed, press ▼ to turn on or off the gaming aim.

1:

Press the 1 button to select Gamer 1 mode

2:

Press the 2 button to select Gamer 2 mode

3:

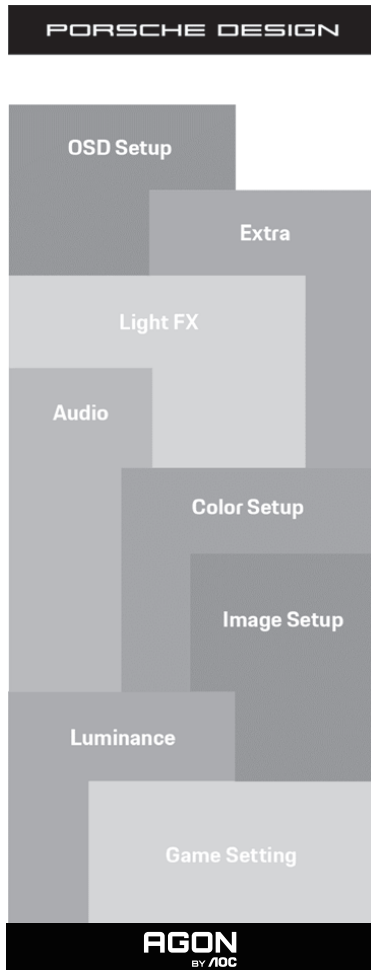
Press the 3 button to select Gamer 3 mode



Press to exit OSD.

OSD Setting

Basic and simple instruction on the control keys.

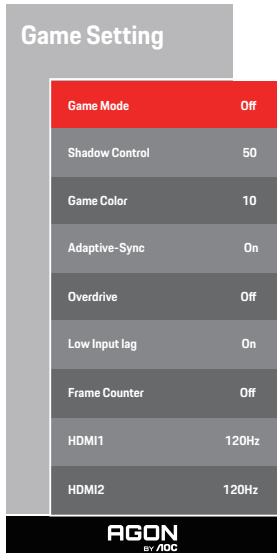


- 1). Press the MENU-button to activate the OSD window.
- 2). OSD Lock/Unlock Function: To lock or unlock the OSD, press and hold the Down-button for 10s while OSD function is not active.

Notes:

- 1). If the product has only one signal input, the item of "Input Select" is disable to adjust.
- 2). ECO modes (except Standard mode), DCR and DCB mode , for these three states that only one state can exist.

Game Setting

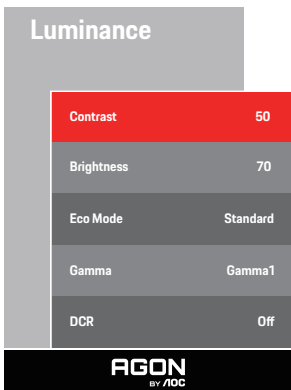


| | | |
|----------------|---|--|
| Game Mode | Off | No optimization by game game. |
| | FPS | For playing FPS (First Person Shooter) games. Improves dark theme black level details. |
| | RTS | For playing RTS (Real Time Strategy) games. Improves the image quality. |
| | Racing | For playing Racing games, Provides fastest response time and high color saturation. |
| | Gamer 1 | User's preference settings saved as Gamer 1. |
| | Gamer 2 | User's preference settings saved as Gamer 2. |
| | Gamer 3 | User's preference settings saved as Gamer 3. |
| Shadow Control | 0-100 | Shadow Control Default is 50, then end-user can adjust from 50 to 100 or 0 to increase contrast for clear picture. 1. If picture is too dark to be saw the detail clearly, adjusting from 50 to 100 for clear picture. 2. If picture is too white to be saw the detail clearly, adjusting from 50 to 0 for clear picture |
| Game Color | 0-20 | Game Color will provide 0-20 level for adjusting saturation to get better picture. |
| Adaptive-Sync | On / Off | Disable or Enable Adaptive-Sync.. |
| Overdrive | Off/Weak/Medium/Strong | Adjust the response time. |
| Low Input lag | On / Off | Turn off frame buffer to decrease input lag |
| Frame Counter | Off / Right-Up / Right-Down / Left-Down / Left-Up | Display V frequency on the corner selected (Frame counter feature only works with AMD graphic card.) |
| HDMI1 | 120Hz/144Hz | When using the PS2(3) ,XBOX or DVD player, please change the OSD setting to "120Hz" |
| HDMI2 | 120Hz/144Hz | When using the PS2(3) ,XBOX or DVD player, please change the OSD setting to "120Hz" |

Note:

When HDR is set to "non-off" under "Image Setup" and the input source has HDR content, "Game Mode", "Shadow Control", "Game Color" items cannot be adjusted .

Luminance

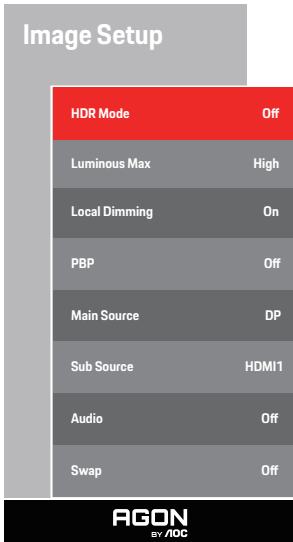


| | | |
|------------|----------|--|
| Contrast | 0-100 | Contrast from Digital-register. |
| Brightness | 0-100 | Backlight Adjustment |
| Eco Mode | Standard | Standard Mode |
| | Text | Text Mode |
| | Internet | Internet Mode |
| | Game | Game Mode |
| | Movie | Movie Mode |
| | Sports | Sports Mode |
| | Reading | Reading Mode |
| Gamma | Gamma1 | Adjust to Gamma 1 |
| | Gamma2 | Adjust to Gamma 2 |
| | Gamma3 | Adjust to Gamma 3 |
| DCR | Off/On | Disable/ Enable dynamic contrast ratio |

Note:

When the HDR Mode under “Image Setup” is set to “non-off”, “Contrast”、 “Brightness” and “Gamma” is not adjustable.
 When the HDR under “Image Setup” is set to “non-off” , all items under “Luminance ”is not adjustable.

Image Setup



| | | |
|---------------|---|---------------------------------|
| HDR | Off / DisplayHDR / HDR Picture / HDR Movie / HDR Game | Disable or Enable HDR |
| HDR Mode | Off / HDR Picture / HDR Movie / HDR Game | Disable or Enable HDR Mode |
| Luminous Max | High / Medium / Low | Adjust Luminous Max |
| Local Dimming | On / Off | Disable or Enable Local Dimming |
| PBP | | Disable or Enable PBP |
| Main Source | | Select main screen source. |
| Sub Source | | Select sub screen source. |
| Audio | On: Sub Audio Off: Main Audio | Swap Audio source. |
| Swap | On: Swap Off: non action | Swap the screen source. |

Note:

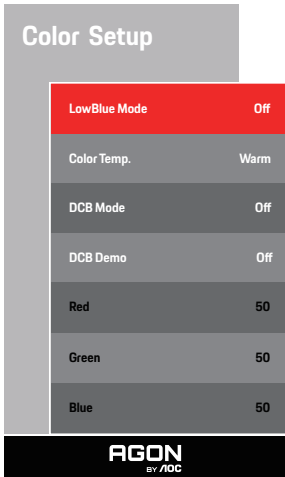
- 1) When HDR is detected, the HDR option is displayed for adjustment; when HDR is not detected, the HDR Mode option is displayed for adjustment.
- 2) When the Local Dimming function is activated, due to the light diffusion effect. The edges of windows or the edges of moving objects there will be a slight halo phenomenon. This is the physical characteristics of the Mini LED panel is not a panel failure phenomenon, please rest assured to continue using.
- 3) When the HDR is set to “non-off”, In addition to “HDR”, “Luminous Max” under “image setup” , other items are not adjustable.

4) When PBP is On, the Main source / Sub-source input source compatibility is as follow:

| PBP | | Main source | | | |
|------------|-------|-------------|-------|----|-------|
| | | HDMI1 | HDMI2 | DP | USB-C |
| Sub source | HDMI1 | V | V | V | V |
| | HDMI2 | V | V | V | V |
| | DP | V | V | V | V |
| | USB-C | V | V | V | V |

Note: When PBP is On, the DP / HDMI / USB C signal source supports maximum resolution 3840x2160@60Hz.

Color Setup



| | | |
|--------------|--|---|
| LowBlue Mode | Off / Multimedia / Internet / Office / Reading | Decrease blue light wave by controlling color temperature. |
| Color Temp. | Warm | Recall Warm Color Temperature from EEPROM. |
| | Normal | Recall Normal Color Temperature from EEPROM. |
| | Cool | Recall Cool Color Temperature from EEPROM. |
| | sRGB | Recall SRGB Color Temperature from EEPROM. |
| | User | Red Gain from Digital-register Green Gain Digital-register. Blue Gain from Digital-register |
| DCB Mode | Off | Disable DCB Mode. |
| | Full Enhance | Enable Full Enhance Mode. |
| | Nature Skin | Enable Nature Skin Mode. |
| | Green Field | Enable Green Field Mode. |
| | Sky-blue | Enable Sky-blue Mode. |
| | Auto Detect | Enable AutoDetect Mode. |
| DCB Demo | On or Off | Disable or Enable Demo. |
| Red | 0-100 | Red gain from Digital-register. |
| Green | 0-100 | Green gain from Digital-register. |
| Blue | 0-100 | Blue gain from Digital-register. |

Note:

When the HDR/HDR Mode setting under “Image Setup” is set to “non-off” and the input source has HDR content, “Color Setup” is not adjustable.

Audio



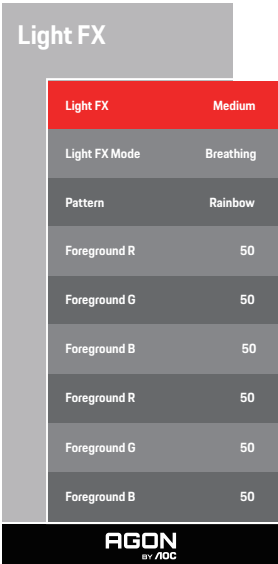
Audio

| | |
|--------------|------|
| Volume | 50 |
| DTS Sound | Game |
| TruVolume HD | Off |
| Boot Sound | On |
| 200Hz | 35 |
| 500Hz | 50 |
| 2.5KHz | 55 |
| 7KHz | 45 |
| 10KHz | 50 |

AGON
by /OC

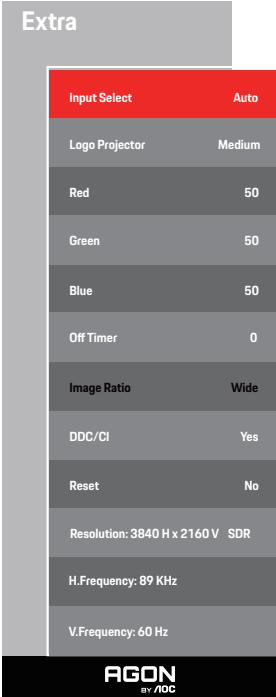
| | | |
|--------------|--|---|
| Volume | 0-100 | Adjust volume setting |
| DTS Sound | Game / Rock / Classical / Live / Theater / Off | Select DTS Sound mode. Note: It may take up to 2 seconds to switch modes. |
| TruVolume HD | On / Off | Disable or Enable TruVolume HD. |
| Boot Sound | On / Off | Disable or Enable Boot Sound. |
| 200Hz | 0-100 | Low frequency base audio, also the root audio frequency of the chord in the tone. |
| 500Hz | 0-100 | Mainly used to express vocals (eg. singing, reading), Strengthen the thickness and strength of vocals. |
| 2.5KHz | 0-100 | This frequency has a strong penetrating power and can be improved to improve the brightness and clarity of the sound. |
| 7KHz | 0-100 | Enhance the clarity of vocals. |
| 10KHz | 0-100 | The high-pitched area of music is most sensitive to the high-frequency performance of the sound. |

Light FX



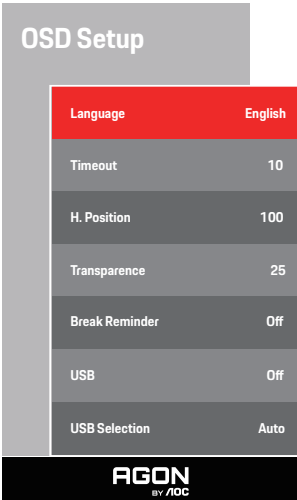
| | | |
|---------------|---|--|
| Light FX | Off / Low / Medium / Strong | Select the intensity of Light FX. |
| Light FX Mode | Audio/Static/Simple Shift/Gradient Shift/Simple Filling/1 Way Filling/2 Way Filling/Breathing/Motion Point/Zoom/Discolor/Water Wave/Flashing/Demo | Select Light FX Mode |
| Pattern | Red / Green / Blue / Rainbow / User Define | Select Light FX Pattern |
| ForegroundR | 0-100 | User can adjust Light FX foreground color, when Pattern setting to user define |
| ForegroundG | | |
| ForegroundB | | |
| BackgroundR | 0-100 | User can adjust Light FX background color, when Pattern setting to user define |
| BackgroundG | | |
| BackgroundB | | |

Extra



| | | |
|----------------|--|---|
| Input Select | AUTO/HDMI1/HDMI2/DP/USB C | Select Input Signal Source |
| Logo Projector | Off/Low/Medium/Strong | It's projection logo function. |
| Red | 0 ~ 100 | Red gain from Digital-register. |
| Green | 0 ~ 100 | Green gain from Digital-register. |
| Blue | 0 ~ 100 | Blue gain from Digital-register. |
| Off timer | 0-24hrs | Select DC off time |
| Image Ratio | Wide / 4:3 / 1:1 / 17"(4:3) / 19"(4:3) / 19"(5:4) / 19"W(16:10) / 21.5"W(16:9) / 22"W(16:10) / 23"W(16:9) / 23.6"W(16:9) / 24"W(16:9) / 27"W(16:9) | Select image ratio for display. |
| DDC/CI | Yes or No | Turn ON/OFF DDC/CI Support |
| Reset | ENERGY STAR® or No | Reset the menu to default (ENERGY STAR® available for selective models) |

OSD Setup



| | | |
|----------------|-----------------------|--|
| Language | | Select the OSD language |
| Timeout | 5-120 | Adjust the OSD Timeout |
| H. Position | 0-100 | Adjust the horizontal position of OSD |
| Transparence | 0-100 | Adjust the transparence of OSD |
| Break Reminder | On /Off | Break reminder if the user continuously work for more than 1hrs |
| USB | Off / 2.0 / 3.2Gen1 | For model need to turn on/off USB power during power saving. The default USB setting is Off. If you want to connect USB-C device, please adjust the USB setting to 2.0 or 3.2Gen1. |
| USB Selection | Auto / USB C / USB up | Auto : switch with display input source USB C / USB up : fix up stream not change with input source |

LED Indicator

| Status | LED Color |
|-----------------|------------------|
| Full Power Mode | White |
| Active-off Mode | White(Breathing) |

Troubleshoot

| Problem & Question | Possible Solutions |
|---|---|
| Power LED Is Not ON | Make sure the power button is ON and the Power Cord is properly connected to a grounded power outlet and to the monitor. |
| No images on the screen | <ul style="list-style-type: none"> • Is the power cord connected properly? Check the power cord connection and power supply. • Is the video cable connected correctly? (Connected using the D-SUB cable) Check the D-SUB cable connection. (Connected using the HDMI cable) Check the HDMI cable connection. (Connected using the DP cable) Check the DP cable connection. *D-SUB/HDMI/DP input is not available on every model. • If the power is on, reboot the computer to see the initial screen (the login screen.) If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows 7/8/10) and then change the frequency of the video card. (Refer to the Setting the Optimal Resolution) If the initial screen (the login screen) does not appear, contact the Service Center or your dealer. • Can you see "Input Not Supported" on the screen? You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly. Adjust the maximum resolution and frequency that the monitor can handle properly. • Make sure the AOC Monitor Drivers are installed. |
| Picture Is Fuzzy & Has Ghosting Shadowing Problem | Adjust the Contrast and Brightness Controls. Press hot-key (AUTO) to auto adjust. Make sure you are not using an extension cable or switch box. We recommend plugging the monitor directly to the video card output connector on the back. |
| Picture Bounces, Flickers Or Wave Pattern Appears In The Picture | Move electrical devices that may cause electrical interference as far away from the monitor as possible. Use the maximum refresh rate your monitor is capable of at the resolution you are using. |
| Monitor Is Stuck In Active Off-Mode" | The Computer Power Switch should be in the ON position. The Computer Video Card should be snugly fitted in its slot. Make sure the monitor's video cable is properly connected to the computer. Inspect the monitor's video cable and make sure no pin is bent. Make sure your computer is operational by hitting the CAPS LOCK key on the keyboard while observing the CAPS LOCK LED. The LED should either turn ON or OFF after hitting the CAPS LOCK key. |
| Missing one of the primary colors (RED, GREEN, or BLUE) | Inspect the monitor's video cable and make sure that no pin is damaged. Make sure the monitor's video cable is properly connected to the computer. |
| Screen image is not centered or sized properly | Adjust H-Position and V-Position or press hot-key (AUTO). |
| Picture has color defects (white does not look white) | Adjust RGB color or select desired color temperature. |
| Horizontal or vertical disturbances on the screen | Use Windows 7/8/10 shut-down mode to adjust CLOCK and FOCUS. Press hot-key (AUTO) to auto adjust. |
| Regulation & Service | Please refer to Regulation & Service Information which is in the CD manual or www.aoc.com (to find the model you purchase in your country and to find Regulation & Service Information in Support page. |

Specification

General Specification

| | | | |
|--------------------------|---|---|--------------------------|
| Panel | Model Name | PD32M | |
| | Driving System | TFT Color LCD | |
| | Viewable Image Size | 80.0 cm diagonal | |
| | Pixel Pitch | 0.181mm(H) x 0.181mm(V) | |
| | Display Color | 1.07B ^[1] | |
| Others | Horizontal Scan Range | 30~330kHz | |
| | Horizontal Scan Size(Maximum) | 697.3056 mm | |
| | Vertical Scan Range | 23-120Hz(USB C) | |
| | | 48-144Hz(HDMI/DP) | |
| | Vertical Scan Size(Maximum) | 392.2344 mm | |
| | Optimal Preset Resolution | 3840x2160@60Hz | |
| | Max Resolution | 3840x2160@120Hz(USB C) | |
| | | 3840x2160@144Hz(HDMI/DP) | |
| | Plug & Play | VESA DDC2B/CI | |
| | Power Source | 19.5Vdc, 16.9A | |
| Power Consumption | Typical (default brightness and contrast) | 80 W | |
| | Max. (Brightness = 100, contrast =100) | ≤ 330 W | |
| | Standby mode | ≤ 0.5 W | |
| Physical Characteristics | USB C Power Delivery | USB PD version 3.0 up to 90W ^[2] (5V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A) | |
| | Connector Type | HDMIx2、DP、USB C、USBx4、USB UP、Earphone、 Microphone In&Out | |
| | Signal Cable Type | Detachable | |
| Environmental | Temperature | Operating | 0°C~35°C |
| | | Non-Operating | -25°C~55°C |
| | Humidity | Operating | 10%~85% (non-condensing) |
| | | Non-Operating | 5%~93% (non-condensing) |
| | Altitude | Operating | 0~5000m (0~ 16404ft) |
| | | Non-Operating | 0~12192m (0~ 40000ft) |



[1] Color Bit table:

| Signal Version Color Format State Color Bit | HDMI2.1 | | DP1.4 | | USB C @USB 3.2Gen1 | USB C @USB 2.0 | USB C @USB 3.2Gen1 | USB C @USB 2.0 |
|--|----------------------|-----------------|----------------------|-----------------|--------------------------|----------------------|--------------------------|----------------------|
| | YCbCr422 YCbCr420 | YCbCr444 RGB | YCbCr422 YCbCr420 | YCbCr444 RGB | YCbCr422 YCbCr420 | | YCbCr444 RGB | |
| | UHD 144Hz 10 bpc | V | V | V | V | \ | \ | \ |
| UHD 144Hz 8 bpc | V | V | V | V | \ | \ | \ | \ |
| UHD 120Hz 10 bpc | V | V | V | V | \ | V | \ | \ |
| UHD 120Hz 8 bpc | V | V | V | V | \ | V | \ | V |
| UHD 100Hz 10 bpc | V | V | V | V | \ | V | \ | V |
| UHD 100Hz 8 bpc | V | V | V | V | \ | V | \ | V |
| Low Resolution 8 bpc/10 bpc | V | V | V | V | V | V | V | V |

Note: Under the "OSD Settings" , set USB to "3.2Gen1" or "2.0" .

[2] Dynamic Power function:

| HDR/SDR | OSD Selection | HDR(Brightness) | USB Hub | PD |
|---------|---------------|-----------------|---------|-----|
| HDR | High | 1400.00 | Normal | No |
| | Middle | 1000.00 | ≤10W | 65W |
| | Middle | 1000.00 | >10W | 45W |
| | Low | > 480 nits | Normal | 90W |
| SDR | - | - | Normal | 90W |

Note: Under the "Image Setup " , set Luminous MaxUSB to "High" ,"Medium"or "Low".

Preset Display Modes

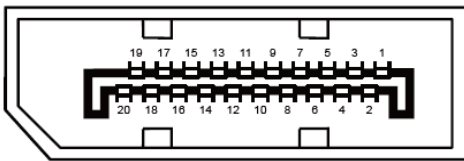
| STANDARD | RESOLUTION | HORIZONTAL FREQUENCY(kHz) | VERTICAL FREQUENCY(Hz) |
|----------|-----------------|---------------------------|------------------------|
| VGA | 640x480@60Hz | 31.469 | 59.94 |
| VGA | 640x480@67Hz | 35 | 66.667 |
| VGA | 640x480@72Hz | 37.861 | 72.809 |
| VGA | 640x480@75Hz | 37.5 | 75 |
| VGA | 640x480@100Hz | 51.08 | 99.769 |
| VGA | 640x480@120Hz | 61.91 | 119.518 |
| DOS MODE | 720x400@70Hz | 31.469 | 70.087 |
| DOS MODE | 720x480@60Hz | 29.855 | 59.710 |
| SD | 720x576@50Hz | 31.25 | 50 |
| SVGA | 800x600@56Hz | 35.156 | 56.25 |
| SVGA | 800x600@60Hz | 37.879 | 60.317 |
| SVGA | 800x600@72Hz | 48.077 | 72.188 |
| SVGA | 800x600@75Hz | 46.875 | 75 |
| SVGA | 800x600@100Hz | 63.684 | 99.662 |
| SVGA | 800x600@120Hz | 76.302 | 119.97 |
| SVGA | 832x624@75Hz | 49.725 | 74.551 |
| XGA | 1024x768@60Hz | 48.363 | 60.004 |
| XGA | 1024x768@70Hz | 56.476 | 70.069 |
| XGA | 1024x768@75Hz | 60.023 | 75.029 |
| XGA | 1024x768@100Hz | 81.577 | 99.972 |
| XGA | 1024x768@120Hz | 97.551 | 119.989 |
| SXGA | 1280x1024@60Hz | 63.981 | 60.02 |
| SXGA | 1280x1024@75Hz | 79.975 | 75.025 |
| Full HD | 1920x1080@60Hz | 67.5 | 60 |
| UHD | 3840x2160@60Hz | 135 | 60 |
| UHD | 3840x2160@120Hz | 266.653 | 120 |
| UHD | 3840x2160@144Hz | 319.944 | 143.989 |

Pin Assignments



19-Pin Color Display Signal Cable

| Pin No. | Signal Name | Pin No. | Signal Name | Pin No. | Signal Name |
|---------|--------------------|---------|---------------------------|---------|-----------------|
| 1. | TMDS Data 2+ | 9. | TMDS Data 0- | 17. | DDC/CEC Ground |
| 2. | TMDS Data 2 Shield | 10. | TMDS Clock + | 18. | +5V Power |
| 3. | TMDS Data 2- | 11. | TMDS Clock Shield | 19. | Hot Plug Detect |
| 4. | TMDS Data 1+ | 12. | TMDS Clock- | | |
| 5. | TMDS Data 1Shield | 13. | CEC | | |
| 6. | TMDS Data 1- | 14. | Reserved (N.C. on device) | | |
| 7. | TMDS Data 0+ | 15. | SCL | | |
| 8. | TMDS Data 0 Shield | 16. | SDA | | |



20-Pin Color Display Signal Cable

| Pin No. | Signal Name | Pin No. | Signal Name |
|---------|---------------|---------|-----------------|
| 1 | ML_Lane 3 (n) | 11 | GND |
| 2 | GND | 12 | ML_Lane 0 (p) |
| 3 | ML_Lane 3 (p) | 13 | CONFIG1 |
| 4 | ML_Lane 2 (n) | 14 | CONFIG2 |
| 5 | GND | 15 | AUX_CH(p) |
| 6 | ML_Lane 2 (p) | 16 | GND |
| 7 | ML_Lane 1 (n) | 17 | AUX_CH(n) |
| 8 | GND | 18 | Hot Plug Detect |
| 9 | ML_Lane 1 (p) | 19 | Return DP_PWR |
| 10 | ML_Lane 0 (n) | 20 | DP_PWR |

Plug and Play

Plug & Play DDC2B Feature

This monitor is equipped with VESA DDC2B capabilities according to the VESA DDC STANDARD. It allows the monitor to inform the host system of its identity and, depending on the level of DDC used, communicate additional information about its display capabilities.

The DDC2B is a bi-directional data channel based on the I2C protocol. The host can request EDID information over the DDC2B channel.



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