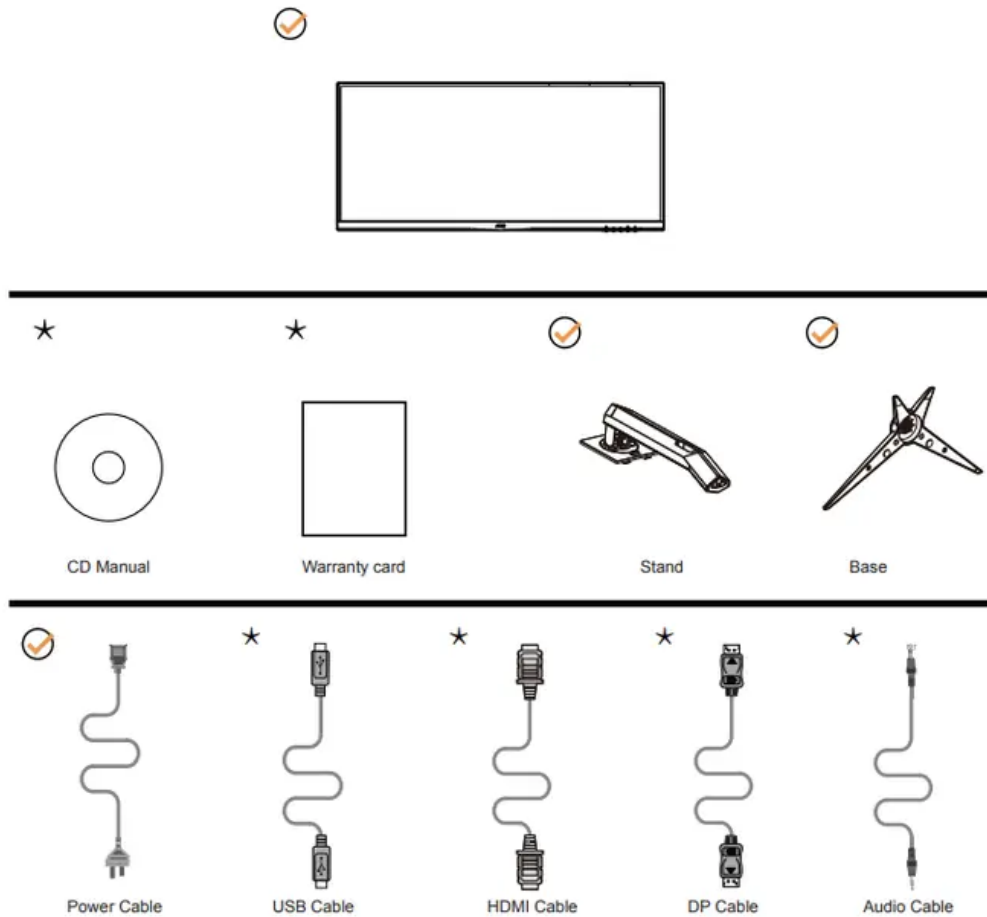


Setup

Contents in Box



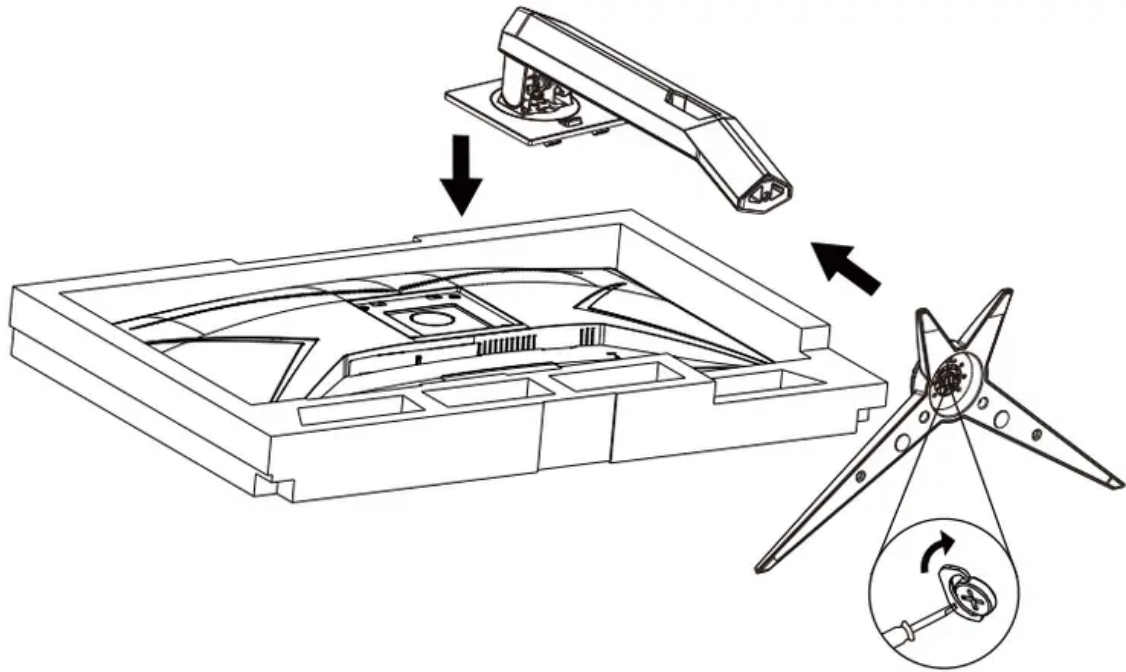
Not all signal cables (HDMI / DP / USB /Audio cables) will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

Setup Base

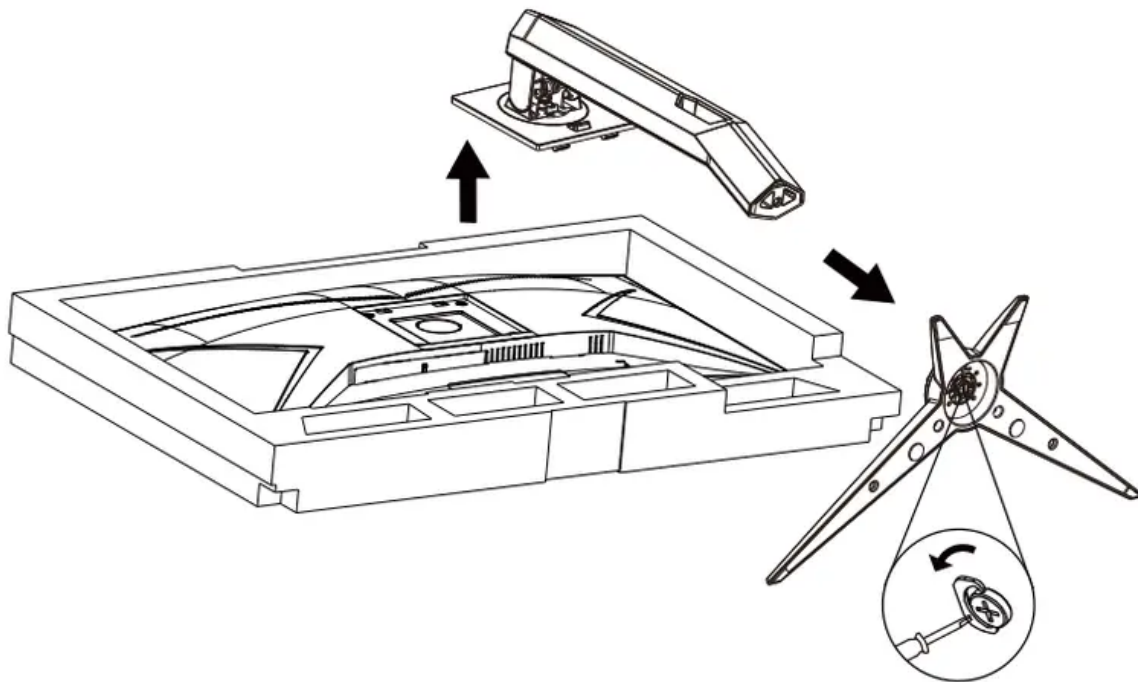
Please setup or remove the base following the steps as below.

Please place the monitor on a soft and flat surface to prevent the scratch.

Setup:



Remove:

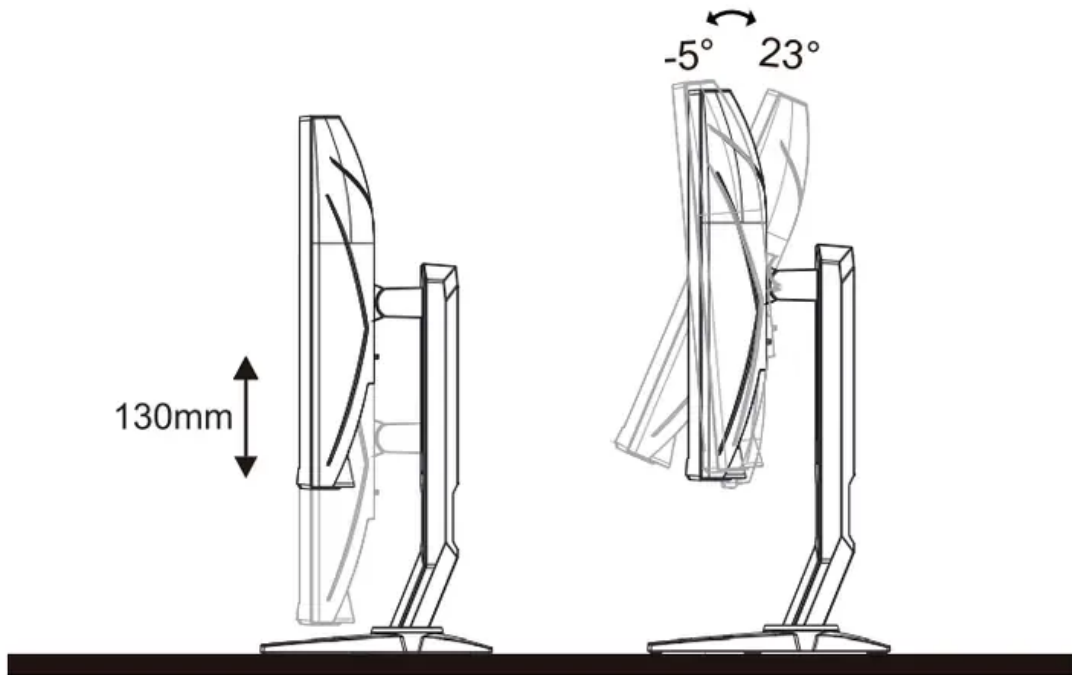


Adjusting Viewing Angle

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:

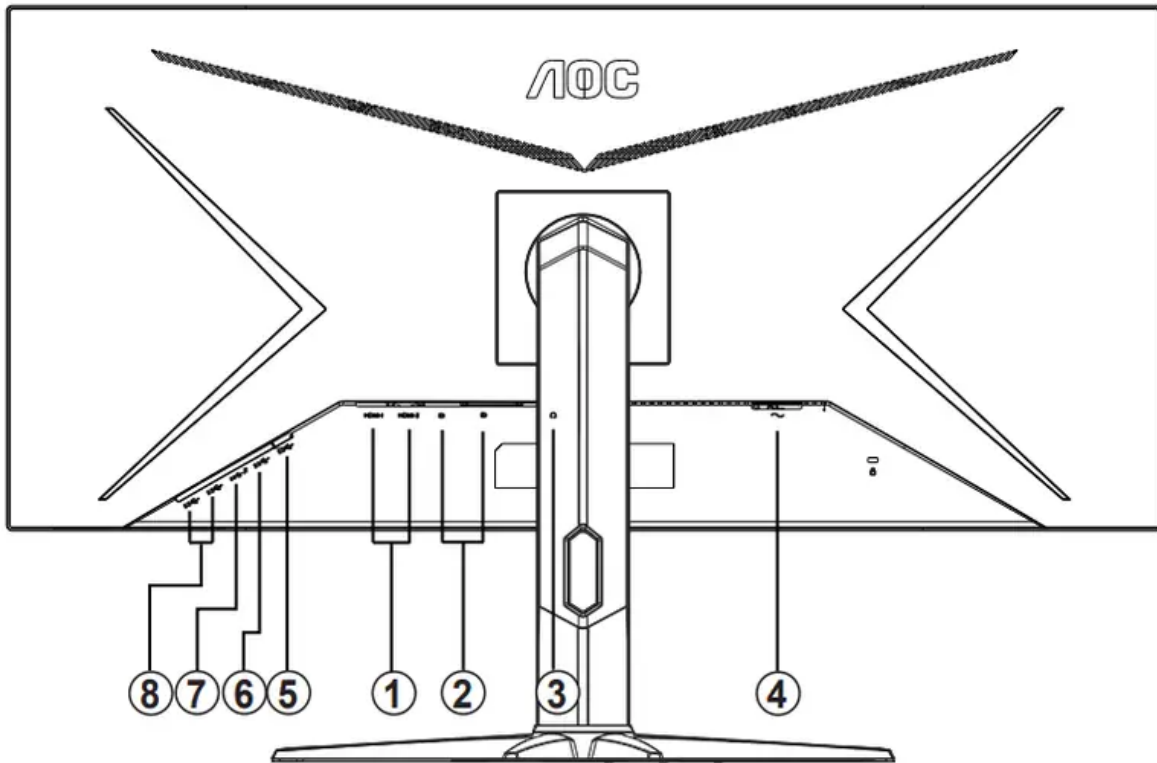


NOTE: Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

Connecting the Monitor

Cable Connections In Back of Monitor and Computer:

CU34G2X



1. HDMI
2. DisplayPort
3. Earphone out
4. Power
5. USB-PC upstream
6. USB 3.2 Gen 1
7. USB3. 2 Gen1+Quick Charging
8. USB 3.2 Gen 1

Connect to PC

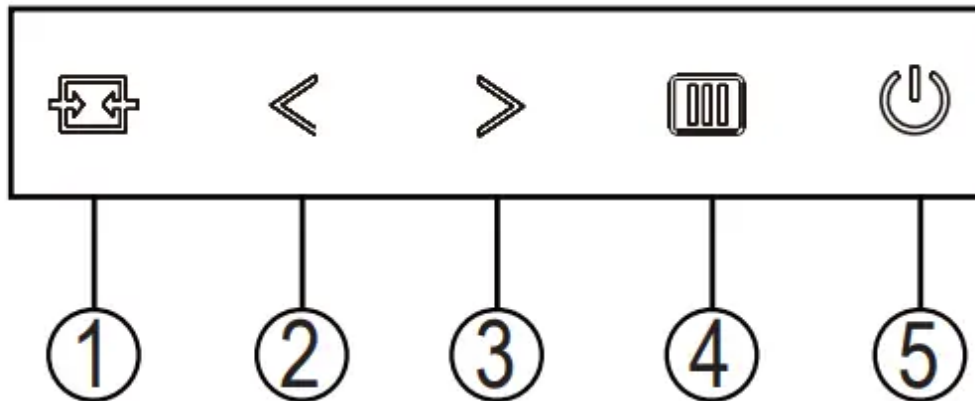
1. Connect the power cord to the back of the display firmly.
2. Turn off your computer and unplug its power cable.
3. Connect the display signal cable to the video connector on the back of your computer.
4. Plug the power cord of your computer and your display into a nearby outlet.
5. Turn on your computer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

Adjusting

Hotkeys



1. Source/Exit
2. Game Mode/<
3. Dial Point/>
4. Menu/Enter
5. Power

Source/Exit

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

Game Mode/<

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

Dial Point/>

When there is no OSD, press Dial Point button to active Dial Point menu, and then press "" to set Dial Point on or off.

Menu/Enter

Press to display the OSD or confirm the selection.















Power

Turn on/off the monitor.

OSD Setting

Basic and simple instruction on the control keys.



1. Press the  MENU-button to activate the OSD window.
2. Press  Left or  Right to navigate through the functions. Once the desired function is highlighted, press the  MENU-button to activate it, press  Left or  Right to navigate through the sub-menu functions. Once the desired function is highlighted, press  MENU-button to activate it.
3. Press  Left or  Right to change the settings of the selected function. Press  to exit. If you want to adjust any other function, repeat steps 2-3.
4. OSD Lock Function: To lock the OSD, press and hold the  MENU-button while the monitor is off and then press  power button to turn the monitor on. To un-lock the OSD - press and hold the  MENU-button while the monitor is off and then press  power button to turn the monitor on.









Notes:

1. If the product has only one signal input, the item of "Input Select" is disable to adjust.
2. If the product screen size is 4:3 or input signal resolution is native resolution, the item of "Image Ratio" is disabled.
3. One of DCR, Color Boost and Picture Boost functions is activated, the other two function s are turned off accordingly

Luminance






| | | | | |
|---|---------------|-----------------|--|---------------------------------|
|  | Contrast | 0-100 | | Contrast from Digital-register. |
| | Brightness | 0-100 | | Backlight Adjustment |
| | Eco mode | Standard | <input checked="" type="checkbox"/> | Standard Mode |
| | | Text |  | Text Mode |
| | | Internet |  | Internet Mode |
| | | Game |  | Game Mode |
| | | Movie |  | Movie Mode |
| | | Sports |  | Sports Mode |
| | | Reading |  | Reading Mode |
| | | Uniformity |  | Uniformity Mode |
| | Gamma | Gamma1 | Adjust to Gamma 1 | |
| | | Gamma2 | Adjust to Gamma 2 | |
| | | Gamma3 | Adjust to Gamma 3 | |
| | DCR | Off | <input type="checkbox"/> | Disable dynamic contrast ratio |
| | | On | <input checked="" type="checkbox"/> | Enable dynamic contrast ratio |
| | HDR (CU34G2X) | Off | Adjust HDR Mode Note: When HDR is detected, the HDR option is displayed for adjustment. When HDR is not detected, the HDR Mode option is displayed for adjustment. | |
| | | DisplayHDR | | |
| | | HDR Picture | | |
| | | HDR Movie | | |
| | | HDR Game | | |
| HDR Mode | Off | Adjust HDR Mode | | |
| | HDR Picture | | | |
| | HDR Movie | | | |
| | HDR Game | | | |

Note: The function MBR and Overdrive Boost are available only when Adaptive-Sync is off and the vertical frequency is up to 75 Hz.

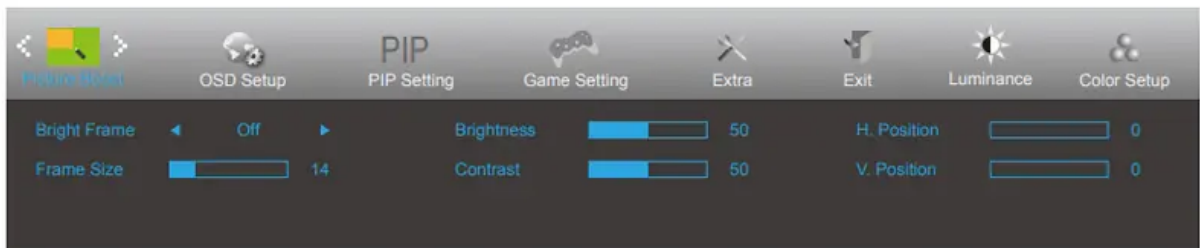
Color Setup






| | | | | |
|---|-------------|--------------|----------------------------------|--|
|  | 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 | | Restore Color Temperature from EEPROM. |
| | DCB Mode | Full Enhance | On or Off | Disable or Enable Full Enhance Mode |
| | | Nature Skin | On or Off | Disable or Enable Nature Skin Mode |
| | | Green Field | On or Off | Disable or Enable Green Field Mode |
| | | Sky-blue | On or Off | Disable or Enable Sky-blue Mode |
| | | AutoDetect | On or Off | Disable or Enable AutoDetect Mode |
| | | Off | | Disable DCB 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. | |

Picture Boost



| | | | |
|---|--------------|-----------|----------------------------------|
|  | Bright Frame | On or Off | Disable or Enable Bright Frame |
| | Frame Size | 14-100 | Adjust Frame Size |
| | Brightness | 0-100 | Adjust Frame Brightness |
| | Contrast | 0-100 | Adjust Frame Contrast |
| | H. position | 0-100 | Adjust Frame horizontal Position |
| | V. position | 0-100 | Adjust Frame vertical Position |

Note: Adjust the brightness, contrast, and position of the Bright Frame for better viewing experience.

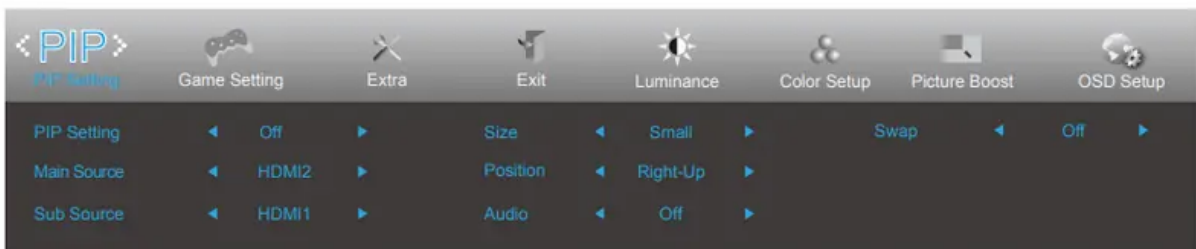
OSD Setup



| | | | |
|--|--|--|---|
| | Language | | Select the OSD language |
| | Timeout | 5-120 | Adjust the OSD Timeout |
| | DP Capability | 1.1/1.2 (CU34G2) 1.1/1.2/1.4 (CU34G2X) | Please be noted that only DP1.2 support Adaptive-Sync function |
| | H. Position | 0-100 | Adjust the horizontal position of OSD |
| | V. Position | 0-100 | Adjust the vertical position of OSD |
| | Volume | 0-100 | Volume Adjustment. |
| | Transparence | 0-100 | Adjust the transparence of OSD |
| | Break Reminder (Pause- Erinnerung) | On (Ein) / Off (Aus) | Break reminder if the user continuously work for more than 1hrs |
| | Frame Counter (CU34G2) | Off / Right-Up /Right- Down / Left-Down / Left- Up | Display V frequency on the corner selected. |

Notes: If the DP video content supports DP1.2, please select DP1.2 for DP Capability; otherwise, please select DP1.1.

PIP Setting




| | | | |
|--|-------------|---|--------------------------------|
| | PIP Setting | Off / PIP / PBP | Off |
| | Main Source | Follow Input Select Content | HDMI1 |
| | Sub Source | Follow Input Select Content | DP (CU34G2) HDMI1 (CU34G2X) |
| | Size | Small, Middle, Large | Small |
| | Position | Right-Up /Right-Down / Left-Down / Left-Up | Right-Up |
| | Audio | On / Off | Off |
| | Swap | | Swap the screen source. |

Game Setting






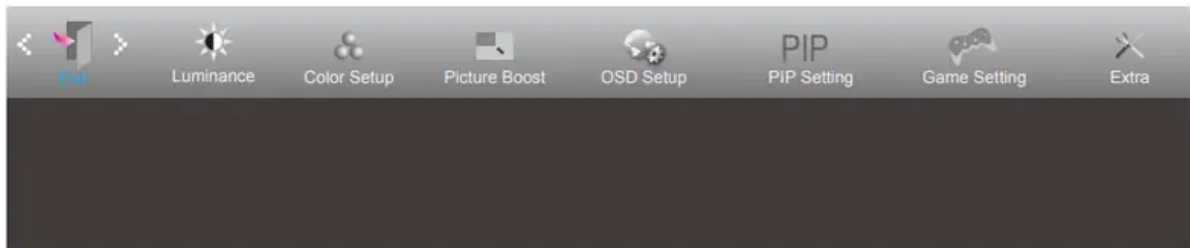
| | | | |
|---|---|---|--|
|  | Game Mode | Off | No optimization by Smart image game |
| | | FPS | For playing FPS (first Person Shooters) games. Improves dark theme black level details. |
| | | RTS | For playing RTS (Real Time Strategy). Improves the image quality. |
| | | Racing | For playing Racing games, Provides fastest response time and high color saturation. |
| | | Gamer1 | User's preference settings saved as Gamer 1. |
| | | Gamer2 | User's preference settings saved as Gamer 2. |
| | | Gamer3 | 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 to100 for clear picture. 2. If picture is too white to be saw the detail clearly, adjusting from 50 to 0 for clear picture. |
| | Low input Lag | On/Off | Turn off frame buffer to decrease input lag |
| | Game Color | 0-20 | Game Color will provide 0-20 level for adjusting saturation to get better picture. |
| | LowBlue Mode | Reading / Office / Internet / Multimedia / Off | Decrease blue light wave by controlling color temperature. |
| | Overdrive | Weak | Adjust the response time. (Boost can only enable in Freesync off mode) |
| Medium | | | |
| Strong | | | |
| Boost (Motion picture response time 1ms) | | | |
| Off | | | |
| Frame Counter (CU34G2X) | Off / Right-Up / Right-Down / Left-Down / Left-Up | Display vertical scanning frequency | |
| MBR | 0-20 | MBR (Motion Blur Reduction) will provide 0 – 20 levels for adjusting visible motion blur. | |
| Adaptive-Sync | On/Off | Adjust the Adaptive-Sync | |

Extra



| | | | |
|---|--------------|---|------------------------------------|
|  | Input Select | | Select Input Signal Source |
| | Auto Config. | Yes or No | Auto adjust the picture to default |
| | 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 | Yes or No | Reset the menu to default |
| | USB (CU34G2) | On/Off | |

Exit



| | | | |
|---|------|--|-------------------|
|  | Exit | | Exit the main OSD |
|---|------|--|-------------------|

LED Indicator

| Status | LED Color |
|-----------------|-----------|
| Full Power Mode | White |
| Active-off Mode | Orange |

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 cable connected correctly? (Connected using the HDMI cable) Check the HDMI cable connection. (Connected using the DP cable) Check the DP cable connection. 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), which can be seen. 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 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 OffMode" | 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 |
| 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 to auto-adjust. |



Specification

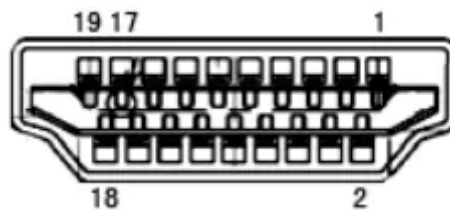
General Specification

| | | | | |
|--|-------------------------------|---|----------------------------------|-----|
| Panel | Model name | CU34G2 | CU34G2X | |
| | Driving system | TFT Color LCD | | |
| | Viewable Image Size | 86.36 cm diagonal | | |
| | Pixel pitch | 0.23175mm(H) x 0.23175mm(V) | | |
| | Video | HDMI Interface & DP Interface | | |
| | Display Color | 16.7M Colors | | |
| Others | Horizontal scan range | 30-160KHZ(HDMI/DP) | 30-170KHZ(HDMI) 30-220KHZ(DP) | |
| | Horizontal scan Size(Maximum) | 797.22mm | | |
| | Vertical scan range | 48-100HZ(HDMI/DP) | 48-100HZ(HDMI) 48-144HZ(DP) | |
| | Vertical Scan Size(Maximum) | 333.72mm | | |
| | Optimal preset resolution | 3440x1440@60Hz | | |
| | Max resolution | 3440x1440@100Hz (HDMI/DP) | 3440x1440@144Hz (HDMI/DP) | |
| | Plug & Play | VESA DDC2B/CI | | |
| | Input Connector | HDMI/DP | | |
| | Power Source | 100-240V~, 50/60Hz, 1.5A | | |
| | Power Consumption | Typical (default brightness and contrast) | 55W | 67W |
| Max. (brightness = 100, contrast =100) | | 108W | 110W | |
| Power saving | | ≤0.5W | ≤0.5W | |
| Physical Characteristics | Connector Type | HDMI/DP/USB/Earphone out | | |
| | Signal Cable Type | Detachable | | |
| Environmental | Temperature | Operating | 0° ~ 40° | |
| | | Non-Operating | -25° ~ 55° | |
| | Humidity | Operating | 10% ~ 85% (non-condensing) | |
| | | Non-Operating | 5% ~ 93% (non-condensing) | |
| | Altitude | Operating | 0~ 5000m (0~ 16404ft) | |
| | | Non-Operating | 0~ 12192m (0~ 40000ft) | |

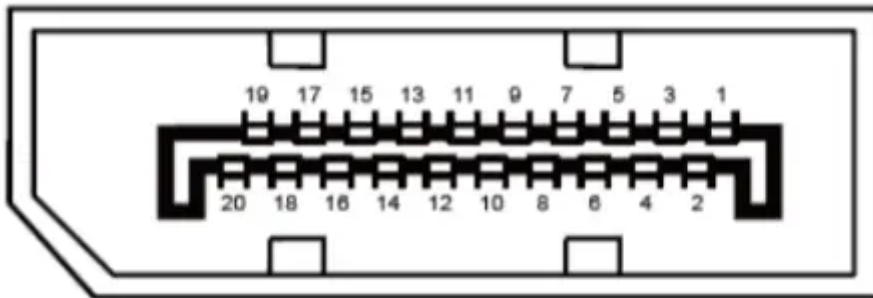
Preset Display Modes

| STANDARD | RESOLUTION | HORIZONTAL FREQUENCY(kHz) | VERTICAL FREQUENCY(Hz) |
|------------------|-------------------------|---------------------------|------------------------|
| VGA | 640x480@60Hz | 31.469 | 59.94 |
| | 640x480@72Hz | 37.861 | 72.809 |
| | 640x480@75Hz | 37.5 | 75 |
| SVGA | 800x600@60Hz | 37.879 | 60.317 |
| | 800x600@72Hz | 48.077 | 72.188 |
| | 800x600@75Hz | 46.875 | 75 |
| XGA | 1024x768@60Hz | 48.363 | 60.004 |
| | 1024x768@70Hz | 56.476 | 70.069 |
| | 1024x768@75Hz | 60.023 | 75.029 |
| SXGA | 1280x1024@60Hz | 63.981 | 60.020 |
| | 1280x1024@75Hz | 79.976 | 75.025 |
| WXGA+ | 1440x900@60Hz | 55.935 | 59.887 |
| | 1440x900@60Hz | 55.469 | 59.901 |
| WSXGA | 1680x1050@60Hz | 65.290 | 59.954 |
| | 1680x1050@60Hz | 64.674 | 59.883 |
| HD | 1920x1080@60Hz | 67.5 | 60 |
| *** | 1152x864@75Hz | 67.5 | 75 |
| | 1280x960@60Hz | 60 | 60 |
| QHD | 2560x1080@60Hz | 66 | 60 |
| | 2560x1080@50Hz | 56.25 | 50 |
| | 2560x1080@120Hz | 150 | 120 |
| WQHD | 3440x1440@30Hz | 44.408 | 29.985 |
| | 3440x1440@60Hz | 89.819 | 59.973 |
| | 3440x1440@100Hz | 150.972 | 99.982 |
| | 3440x1440@120Hz ONLY DP | 181.2 | 120 |
| | 3440x1440@144Hz ONLY DP | 214.56 | 144 |
| IBM MODES | | | |
| DOS | 640x350@70Hz | 31.469 | 70.087 |
| | 720x400@70Hz | 31.469 | 70.087 |
| MAC MODES | | | |
| VGA | 640x480@67Hz | 35.000 | 66.667 |
| SVGA | 832x624@75Hz | 49.725 | 74.551 |
| XGA | 1024x768@75Hz | 60.241 | 74.927 |

Pin Assignments



| 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.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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