

AOC CU34P2C 34-inch QHD Curved Monitor User Manual

Home » AOC » AOC CU34P2C 34-inch QHD Curved Monitor User Manual

Contents

- 1 AOC CU34P2C 34-inch QHD Curved
- **Monitor**
- 2 Safety
- 3 Power
- 4 Installation
- 5 Cleaning
- 6 Setup
 - 6.1 Contents in Box
- 7 Setup Base
- **8 Adjusting Viewing Angle**
- 9 Connecting the Monitor
- 10 Connect to PC
- 11 Wall Mounting
- 12 Adaptive sync function
- 13 Adjusting
- 14 OSD Setting
- 15 Luminance
- 16 Color Setup
- **17 Picture Boost**
- 18 OSD Setup
- 19 PIP Setting
- 20 Game Setting
- 21 LED Indicator
- 22 Troubleshoot
- 23 Specification
- 24 Preset Display Modes
- 25 Pin Assignments
- 26 Plug and Play
- 27 FAQs
- 28 References





Safety

National Conventions

The following subsections describe the 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

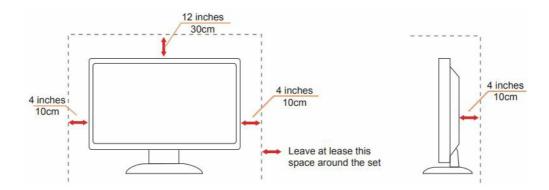
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This 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 that 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.

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.
- 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:



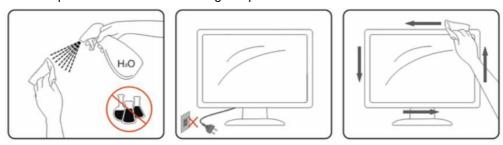
Please purchase a suitable wall mount to avoid the lack of distance between the back signal cable and the wall.

Cleaning

- Clean the cabinet regularly with cloth. You can use soft detergent to wipe out the stain, instead of strong detergent which will cauterize the product cabinet.
- · When cleaning, make sure no detergent is leaked into the product. The cleaning cloth should not be too rough

as it will scratch the screen surface.

Please disconnect the power cord before cleaning the product.

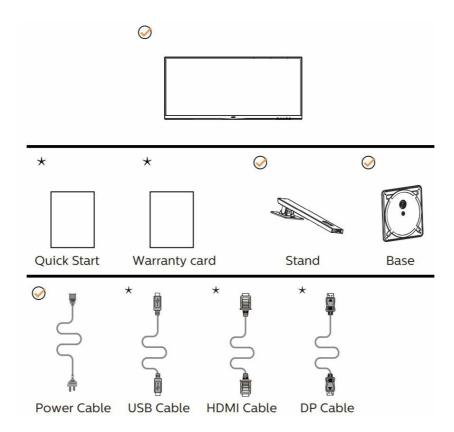


Other

- 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.

Setup

Contents in Box



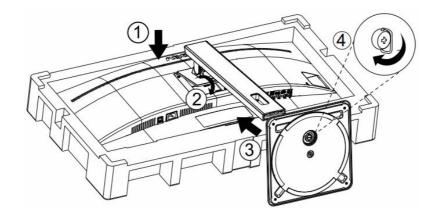
Not all signal cables (HDMI/DP/USB/Audio cables) will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

Setup Base

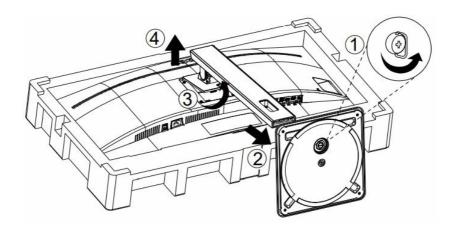
• Please set up or remove the base following the steps below.

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

Setup:

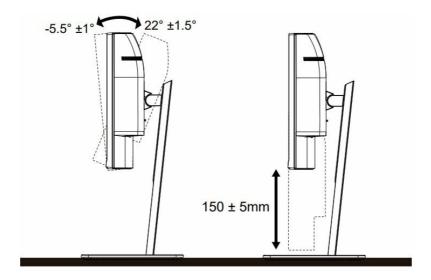


Remove:



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:



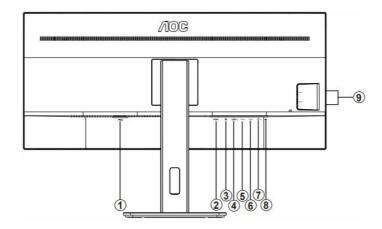
NOTE: Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

Warning

- To avoid potential screen damage, such as panel peeling, ensure that the monitor does no t tilt downward by more than -5 degrees.
- 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:



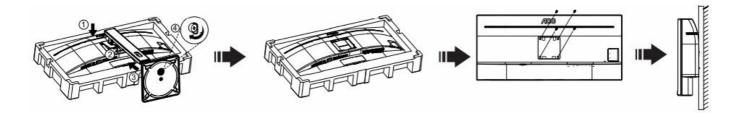
- 1. Power
- 2. HDMI
- 3. DisplayPort
- 4. USB-C
- 5. USB-PC upstream
- 6. USB 3.2 Gen 1
- 7. USB3. 2 Gen1+Quick Charging
- 8. Earphone out
- 9. USB 3.2 Gen 1

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

Wall Mounting

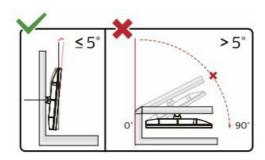
Preparing to Install An Optional Wall Mounting Arm.



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. Insert the 4 screws into the holes and tighten.
- 5. 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. The adaptive sync function is working with DP/H1MI
- 2. Compatible Graphics Card: The recommend list is as below, also be checked by visiting www.AMD.com
 - AMD Radeon™ RX 480
 - AMD Radeon™ RX 470
 - AMD Radeon™ RX 460

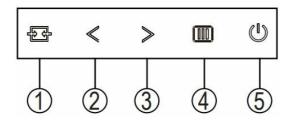
Radeon Pro Duo

• AMD Radeon R9 300 Series

- AMD Radeon R9 Fury X
- AMD Radeon R9 360
- AMD Radeon R7 360
- AMD Radeon R9 295X2
- AMD Radeon R9 290X
- AMD Radeon R9 290
- AMD Radeon R9 285
- AMD Radeon R7 260X
- AMD Radeon R7 260

Adjusting

Hotkeys



1	Source/Auto/Exit
2	Clear Vision/<
3	Volume/>
4	Menu/Enter
5	Power

Power

Press the Power button to turn on the monitor.

• Menu/Enter

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

Volume/>

Press the Volume button to activate the volume adjustment bar.

Source/Auto/Exit

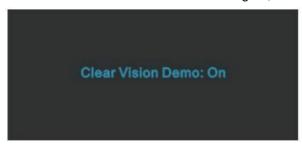
When the OSD is closed, press the Source/Auto/Exit button will be Source hot key function. When the OSD is closed, press the Source/Auto/Exit button continuously for about 2 seconds to do auto-configure (Only for the models with D-Sub).

Clear Vision

- 1. When there is no OSD, Press the "<" button to activate Clear Vision.
- 2. Use the "<" or ">" buttons to select between weak, medium, strong, or off settings. The default setting is always



3. Press and hold the "<" button for 5 seconds to activate the Clear Vision Demo, and a message of "Clear Vision Demo: on" will be displayed on the screen for a duration of 5 seconds. Press the Menu or Exit button, and the message will disappear. Press and hold the "<" button for 5 seconds again, Clear Vision Demo will be off.



Clear Vision function provides the best image viewing experience by converting low-resolution and blurry images into clear and vivid images.

	Off	
	Weak	
Clear Vision	Medium	Adjust the Clear Vision
	Strong	
Clear Vision Demo	On or Off	Disable or Enable Demo

OSD Setting

Basic and simple instructions 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, and 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 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

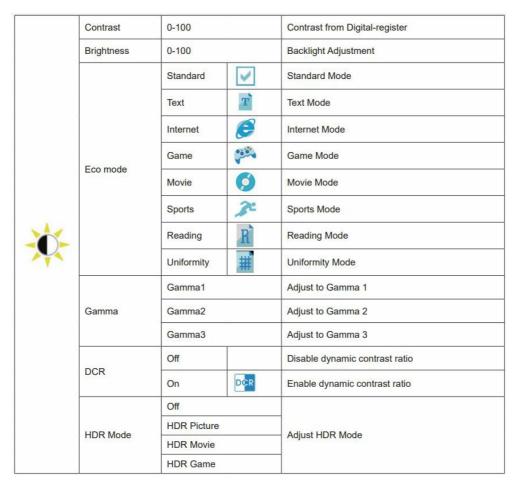
press the Upower button to turn the monitor on. To un-lock the OSD – press and hold the MENU button while the monitor is off and then press the Upower button to turn the monitor on.

Notes:

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

Luminance





Color Setup



		Warm		Recall Warm Color Temperature from EEPROM
		Normal		Recall Normal Color Temperature from EEPROM
	Color Temp.	Cool		Recall Cool Color Temperature from EEPROM
		sRGB		Recall SRGB Color Temperature from EEPROM
		User		Restore Color Temperature from EEPROM
		Full Enhance	On / Off	Disable or Enable Full Enhance Mode
	DCB Mode	Nature Skin	On / Off	Disable or Enable Nature Skin Mode
		Green Field	On / Off	Disable or Enable Green Field Mode
		Sky-blue	On / Off	Disable or Enable Sky-blue Mode
		AutoDetect	On / Off	Disable or Enable AutoDetect Mode
		Off		Disable DCB Mode
	DCB Demo		On / 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



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

OSD Setup



Notes: *USB C(DP Alt) signal input, and "USB" is set to "2.0", the maximum resolution is 3440×1440@100Hz.

Adjust the transparence of OSD

input source.

Break reminder if the user continuously work for

*USB C/USB up: Fix up stream not change with

*AUTO: Switch with display input source

PIP Setting



Refer to the table below for main/sub input source compatibility

Transparence

USB Selection

Break

Reminder

0-100

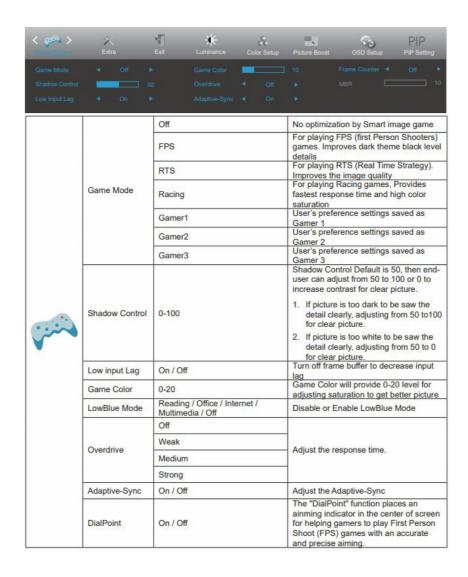
On / Off

Auto / USB C / USB up

Sub Ma in	HDMI1	DP	USB-C
HDMI1	X	V	Х
DP	V	Х	V
USB-C	Х	V	Х

^{*}PxP color-related adjustments can only be operated by main, and sub is not supported. So Main & sub will have different colors.

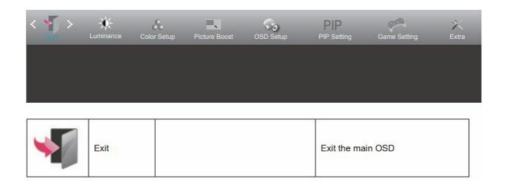
Game Setting



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

Extra





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 connecte d to a grounded power outlet and to the monitor.			
	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 C enter or your dealer.			
	Can you see "Input Not Supported" on the screen?			
No images 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 pr operly.			
	Make sure the AOC Monitor Drivers are installed.			

	Adjust the Contrast and Brightness Controls. Press to auto adjust.
Picture Is Fuzzy & Has Ghosti	Make sure you are not using an extension cable or switch box. We
ng Shadowing Problem	recommend plugging the monitor directly to the video card output connector on the back.
	Move electrical devices that may cause electrical interference as far away
Picture Bounces, Flickers Or	from the monitor as possible.
Wave Pattern Appears In The Picture	Use the maximum refresh rate your monitor is capable of at the resolution you are using.
	The Computer Power Switch should be in the ON position.
	The Computer Video Card should be snugly fitted in its slot.
Monitor Is Stuck In Active Off-	Make sure the monitor's video cable is properly connected to the computer. I nspect the monitor's video cable and make sure no pin is bent.
Mode"	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 / Off after hitting the CAPS LOCK key.
Missing one of the primary col ors (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 (whit e does not look white)	Adjust RGB color or select desired color temperature.
Horizontal or vertical disturba nces on the screen	Use Windows 7/8/10 shut-down mode to adjust CLOCK and FOCUS. Press to auto-adjust.

Specification

General Specification

	Model name		CU34P2C		
	Driving syster	m	TFT Color LCD		
	Viewable Ima	ige Size	86.36 cm diagonal		
	Pixel pitch		0.23175mm(H) x 0.2	23175mm(V)	
Panel	Video		HDMI Interface & DF	P Interface	
	Display Color	S	8 bit		
	Horizontal sc	an range	30-160KHZ		
	Horizontal sc	an Size(Maximum)	797.22mm		
	Vertical scan	range	48-100HZ		
	Vertical Scan	Size(Maximum)	333.72mm		
	Optimal prese	et resolution	3440×1440@60Hz		
	Max resolutio	n	3440×1440@100Hz(HDMI,DP,USB C*)		
	Plug & Play		VESA DDC2B/CI		
	Input Connec	tor	HDMI/DP		
	Power Source	е	100-240V~, 50/60Hz,2A		
Others	Power Cons umption	Typical (default brightn ess and contrast)	55W		
		Max. (brightness = 10 0, contrast =100)	185W		
		Standby mode	≤0.5W		
Physical Char	Connector Ty	pe	HDMI/DP/USB/USB C		
acteristics	Signal Cable	Туре	Detachable		
	Temperature		Operating	0°~ 40°	
			Non-Operating	-25°~ 55°	
	Humidity	11		10% ~ 85% (non-condensing)	
	Humidity		Non-Operating	5% ~ 93% (non-condensing)	
Environmental	Altitude		Operating	0~ 5000m (0~ 16404ft)	
	Ailliude		Non-Operating	0~ 12192m (0~ 40000ft)	

Note: USB C(DP Alt) signal input, and "USB" is set to "2.0", the maximum resolution is $3440 \times 1440@100$ Hz Color bits Limitation:

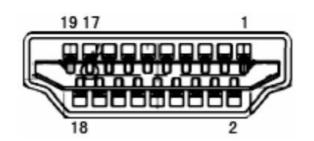
	422/420	444/RG B	422/420	444/RG B	422/420		444/RGB	
CU34P2C	(HDMI2. (HDMI2. 0)		(DD1 0)	(DP1.2)	USBC@	USBC@	USBC @	USBC @
			(DP1.2)		USB3.2	USB2.0	USB3.2	USB2.0
WQHD 100Hz 8 bit	NA	ОК	ОК	ОК	NA	ОК	NA	ОК
WQHD 75Hz 8 bit	NA	ОК	OK	ОК	ОК	ОК	NA	ОК
	8 bit OK	8 bit OK	8 bit OK	8 bit OK	8 bit OK	8 bit OK	8 bit OK	8 bit OK
low resolutions 8 bit/10 b	10 bit N A	10 bit N A	10 bit N A	10 bit N A	10 bit N A	10 bit N A	10 bit N A	10 bit N A



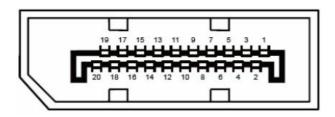
Preset Display Modes

		HORIZONTAL	VERTICAL
STANDARD	RESOLUTION	FREQUENCY(kHz)	FREQUENCY(Hz)
	640×480@60Hz	31.469	59.94
VGA	640×480@72Hz	37.861	72.809
	640×480@75Hz	37.5	75
	800×600@60Hz	37.879	60.317
SVGA	800×600@72Hz	48.077	72.188
	800×600@75Hz	46.875	75
	1024×768@60Hz	48.363	60.004
XGA	1024×768@70Hz	56.476	70.069
	1024×768@75Hz	60.023	75.029
SXGA	1280×1024@60Hz	63.981	60.020
SAGA	1280×1024@75Hz	79.976	75.025
WXGA+	1440×900@60Hz	55.935	59.887
WAGAT	1440×900@60Hz	55.469	59.901
14/01/04	1680×1050@60Hz	65.290	59.954
WSXGA	1680×1050@60Hz	64.674	59.883
HD	1920×1080@60Hz	67.5	60
	2560×1080@60HZ	66	60
QHD	2560×1080@50HZ	56.25	50
	2560×1080@120HZ	150	120
	3440×1440@60HZ	89.819	59.973
WQHD	3440×1440@75HZ	111.875	74.983
	3440×1440@100HZ	150.972	99.982
MAC MODES			
VGA	640×480@67Hz	35.000	66.667
SVGA	832×624@75Hz	49.725	74.551
XGA	1024×768@75Hz	60.241	74.927

Pin Assignments



Pin N o.	Signal Name	Pin N o.	Signal Name	Pin N o.	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.

FAQs

What is the screen size of the AOC CU34P2C Monitor?

The AOC CU34P2C is a 34-inch QHD curved monitor.

What resolution does the AOC CU34P2C support?

It supports a QHD resolution of 3440 x 1440 pixels.

What is the curvature radius of the AOC CU34P2C monitor?

The AOC CU34P2C typically has a curvature radius of 1500R.

Does the AOC CU34P2C have a USB-C port?

Yes, the monitor includes a USB-C port for connectivity and charging.

Is the AOC CU34P2C compatible with VESA mounting?

Yes, it is compatible with 100x100 VESA mounts.

What is the refresh rate of the AOC CU34P2C?

The AOC CU34P2C has a refresh rate of 100Hz.

Does the AOC CU34P2C monitor support HDR?

Please check the specific model details for HDR support, as it can vary.

What panel type is used in the AOC CU34P2C?

The AOC CU34P2C uses a VA panel.

Are there built-in speakers in the AOC CU34P2C?
Yes, it comes with built-in speakers for audio output.
Can I adjust the height of the AOC CU34P2C monitor?
Yes, it has height adjustment capabilities.
What is the aspect ratio of the AOC CU34P2C?
The monitor has an ultra-wide aspect ratio of 21:9.
Does the AOC CU34P2C come with a warranty?
The AOC CU34P2C Monitor typically comes with a warranty of 3 years from the date of purchase.
References PDF: AOC CU34P2C 34-inch QHD Curved Monitor – Device.report

References

• <u>User Manual</u>

Manuals+,