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23.8" AOC 24B31H - Specifications

Width	Height	Depth	Weight	Write a review
Specifications	Display	Response time	Power consumption	

Display: 23.8 in, AH-IPS, W-LED, 1920 x 1080 pixels
Viewing angles (H/V): 178 ° / 178 °
Brightness: 300 cd/m²
Static contrast: 1500 : 1, **Dynamic contrast:** 20000000 : 1
Refresh rate: 48 Hz - 100 Hz
Dimensions: 542.4 x 316.2 x 34.7 mm
Weight: 2.15 kg



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Ноутбук Apple
15.3" MW1K3 2
(M4,16/512Gb)

MDL 26,699

Brand, series, model

Information about the brand, series, model and model aliases.

Brand Name of the company-manufacturer.	AOC
Model Designation of the model.	24B31H
Model year The year in which this model was announced.	2024

Display

Information about the main characteristics of the display - panel, backlight, resolution, refresh rate, etc.

Size class Size class of the display as declared by the manufacturer. Often this is the rounded value of the actual size of the diagonal in inches.	23.8 in (inches)
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Diagonal Approximate diagonal size of the display. If the manufacturer does not provide such information, the diagonal is calculated from the width and height of the screen.	604.698 mm (millimeters) 60.4698 cm (centimeters) 23.807 in (inches) 1.9839 ft (feet)
Width Approximate width of the display. If the manufacturer does not provide such information, the width is calculated from the diagonal and the aspect ratio.	527.04 mm (millimeters) 52.704 cm (centimeters) 20.7496 in (inches) 1.7291 ft (feet)
Height Approximate height of the display. If the manufacturer does not provide such information, the height is calculated from the diagonal and the aspect ratio.	296.46 mm (millimeters) 29.646 cm (centimeters) 11.6717 in (inches) 0.9726 ft (feet)
Panel type There are various panel technologies. Each has its own specific features - viewing angles, color reproduction, response time, brightness/contrast, production cost, etc. The image quality depends directly on the type of the display panel used.	AH-IPS
Panel bit depth The most widely used panels are those with 6, 8, and 10 bits for each of the RGB components of the pixel. They provide 18-, 24-, and 30-bit color, respectively.	8 bits (6 bits + FRC)
FRC Frame Rate Control (FRC) is a method, which allows the pixels to show more color tones. With quick cyclic switching between different color tones, an illusion for a new intermediate color tone is created. For example, by using FRC, a 6-bit display panel is able to show 16.7 million colors, which are typical for 8-bit display panels, and not the standard 262200 colors, instead. There are different FRC algorithms.	Yes
Colors The maximum number of colors, which the display is able to reproduce, depends on the type of the panel in use and color enhancing technologies like FRC.	16777216 colors 24 bits
Aspect ratio The ratio between the horizontal and the vertical side of the display. Some of the standard and widely used aspect ratios are 4:3, 5:4, 16:9 and 16:10.	1.778:1 16:9
Resolution Information about the number of pixels on the horizontal and vertical side of the screen. A higher resolution allows the display of a more detailed and of higher quality image.	1920 x 1080 pixels Full HD / 1080p
Pixel pitch The pixel pitch shows the distance from the centers of two neighboring pixels. In displays, which have a native resolution (the TFT ones, for example), the pixel pitch depends on the resolution and the size of the screen.	0.275 mm (millimeters) 0.0275 cm (centimeters) 0.0108 in (inches) 0.0009 ft (feet)
Pixel density Information of the number of pixels in a unit of length. With the decrease of the display size and the increase of its resolution, the pixel density increases.	92 ppi (pixels per inch) 36 ppcm (pixels per centimeter)
Display area The percentage of the approximate area, taken by the active part of the screen, to the total front area.	91.1 % (percent)
Backlight The backlight is the source of light of the LCD display panels. The type of backlight determines the image quality and the color space of the display. There are various backlights such as CCFL, LED, WLED, RGB-LED, and etc.	W-LED
Brightness Information about the brightness of the screen. It is measured in candela per square metre (cd/m²).	300 cd/m² (candela per square meter)
Static contrast The static contrast shows the ratio between the brightest and the darkest color, which the display can reproduce simultaneously, for example, within one and the same frame/scene.	1500 : 1
Dynamic contrast The dynamic contrast shows the ratio between the brightest and the darkest color, which the display can reproduce over time, for example, in the course of playing a video.	20000000 : 1
Horizontal viewing angle	178 ° (degrees)

Information about the maximum horizontal viewing angle, within which the image on the screen is of acceptable quality.	
Vertical viewing angle Information about the maximum vertical viewing angle, within which the image on the screen is of acceptable quality.	178 ° (degrees)
Minimum response time Information about the minimum amount of time, in which the pixels change from one color to another. Very often the manufacturer provides the response time for transition from grey-to-grey (G2G).	4 ms (milliseconds) 0.0040 s (seconds)
Coating Information about the type of coating of the display. There are different types of matte and glossy coatings, each of which has its own advantages and drawbacks.	Anti-glare/Matte (3H)
	Response time - 1 ms (MPRT - Motion Picture Response time)

3D

3D displays use various technologies to achieve a 3D effect. Each of these technologies has its own advantages and drawbacks.

3D Information on whether 3D is supported or not.	No
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Frequencies

Information about the horizontal and vertical refresh rates/frequencies.

Horizontal frequency (digital) The horizontal scan rate/frequency shows the number of horizontal lines, displayed by the monitor per second, when it is plugged to a digital source.	30 kHz - 115 kHz (kilohertz)
Vertical frequency (digital) The vertical frequency/refresh rate shows how many times in a second the image on the screen is refreshed.	48 Hz - 100 Hz (hertz)

Power supply and consumption

Information about the power supply and consumption, energy efficiency class, etc.

110V Permissible voltage tolerance in a 110-volt electric system.	100 V - 110 V (volts)
220V Permissible voltage tolerance in a 220-volt electric system.	220 V - 240 V (volts)
Alternating current frequency Requirement regarding the alternating current frequency in the electric system.	50 Hz - 60 Hz (hertz)
Electric current (A) Requirement regarding the electric current rating in amperes (A) of the electric system.	1.31 A (amperes)
Power consumption (off) Power consumption in off-mode.	0.3 W (watts)
Power consumption (sleep) Power consumption in sleep/stand by/suspend mode.	0.5 W (watts)
Power consumption (average) Average power consumption in standard work mode.	17 W (watts)

Dimensions, weight and color

Information about the dimensions and the weight of the specific model with and without stand as well as the colors, in which it is offered to the market.

Width Width without stand in different measurement units.	542.4 mm (millimeters) 54.24 cm (centimeters)
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	21.3543 in (inches) 1.7795 ft (feet)
Height Height without stand in different measurement units.	316.2 mm (millimeters) 31.62 cm (centimeters) 12.4488 in (inches) 1.0374 ft (feet)
Depth Depth without stand in different measurement units.	34.7 mm (millimeters) 3.47 cm (centimeters) 1.3661 in (inches) 0.1138 ft (feet)
Weight Weight without stand in different measurement units.	2.15 kg (kilograms) 4.74 lbs (pounds)
Width with stand Width with stand in different measurement units.	542.4 mm (millimeters) 54.24 cm (centimeters) 21.3543 in (inches) 1.7795 ft (feet)
Height with stand Height with stand in different measurement units.	410 mm (millimeters) 41 cm (centimeters) 16.1417 in (inches) 1.3451 ft (feet)
Depth with stand Depth with stand in different measurement units.	185.9 mm (millimeters) 18.59 cm (centimeters) 7.3189 in (inches) 0.6099 ft (feet)
Weight with stand Weight with stand in different measurement units.	2.45 kg (kilograms) 5.4 lbs (pounds)
Box width Width of the package in different measurement units.	612 mm (millimeters) 61.2 cm (centimeters) 24.0945 in (inches) 2.0079 ft (feet)
Box height Height of the package in different measurement units.	381 mm (millimeters) 38.1 cm (centimeters) 15 in (inches) 1.25 ft (feet)
Box depth Depth of the package in different measurement units.	93 mm (millimeters) 9.3 cm (centimeters) 3.6614 in (inches) 0.3051 ft (feet)
Box weight Weight of the product with all accessories and packaging in different measurement units.	4.07 kg (kilograms) 8.97 lbs (pounds)
Stand depth Depth of the stand in different measurement units.	185.9 mm (millimeters) 18.59 cm (centimeters) 7.3189 in (inches) 0.6099 ft (feet)
Colors Information about the colors, in which the specific model is offered to the market.	Black

Ergonomics

Information about the ergonomic functions - height adjustment, swivel angles, tilt angles, etc.

VESA mount Information about whether there is a possibility for wall mounting according to the VESA Mounting Interface Standard (MIS).	Yes
VESA interface There are many various interfaces under the VESA standard, which differ in the size of the brackets, the distances between the screw holes and their number.	100 x 100 mm
Removable stand Information about whether the stand can be dismounted. Usually, this is required for wall mounting.	Yes
Height adjustment Information about whether the stand allows height adjustment.	No
Landscape/portrait pivot Some displays have the ability to operate in landscape and portrait mode alike.	No
Left/right swivel Information whether the display can be swiveled around the stand axis.	No

Forward/backward tilt Most displays have the ability to be tilted forward and backward as to provide a more comfortable viewing position for the user.	Yes
Forward tilt Maximum degree of forward tilting of the display.	5 ° (degrees)
Backward tilt Maximum degree of backward tilting of the display.	23 ° (degrees)
Camera Many contemporary desktop monitors and smart TV sets have built-in cameras.	
Camera Information whether the current model has a built-in camera or not.	No
Connectivity Available connectivity ports, slots and interfaces.	
Connectivity Information about the available connectivity ports, slots and interfaces such as USB, infrared port, SD card slot, audio/video and network interfaces, etc.	1 x HDMI 1.4 1 x D-sub
	High-bandwidth Digital Content Protection (HDCP)
Features Some additional functional features of the model.	
Features Information about additional software features, technologies, functions and services of the model.	Clear Vision Dynamic Colour Boost (DCB) technology Dynamic Contrast Ratio (DCR) technology Flicker-free technology HDR Mode Low Blue Light
Certificates, standards and licenses Licenses from regulatory agencies, standards, certificates.	
Certificates, standards and licenses List of the standards, certificates and licenses supported/received by the current model.	CCC CE CECP CEL CH RoHS FCC Win11
Accessories Often the packaging of desktop monitors and smart TV sets includes accessories for them.	
Accessories Information about some of the main accessories included in the standard packaging of the current model.	HDMI cable



	Tender & Proposal Specialist US Software Solutions Moldova, Chişinău TRIMITE CV	Customer Care Representative Parkopedia Parking Services TRIMITE CV
	Manager Licitatii Dita Estfarm Moldova, Chişinău TRIMITE CV	Supply Planner (SAP) Orange Moldova Moldova, Chişinău TRIMITE CV
	Manager Achiziții DMLink Moldova, Chişinău TRIMITE CV	Specialist Achiziții (15000 - 22000 Lei) EASY HIRE Moldova, Chişinău TRIMITE CV

Latest comparisons

The latest comparisons, made by the website visitors, that include AOC 24B31H.

AOC 24B1H	AOC 24B31H	View	
Samsung S24C330G	AOC 24B31H	View	
AOC 24B31H	Lenovo L24-4e	View	
Philips 24M2N3200NF	AOC 24B31H	View	
ASRock CL25FFA	AOC 24B31H	View	
AOC 24B31H	MSI Pro MP242A	Philips 24E2N1110	View
Dell SE2425HM	AOC 24B31H	View	
ViewSonic VA220-H	AOC 24B31H	Philips 222V8LA	View

Last viewed models

A list of the last viewed desktop monitors and TVs.



23.8" AOC 24B31H

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