24B3HA2

High-performance clarity with 23.8" FHD monitor featuring 120Hz refresh rate and HDMI



Dive into the extraordinary world of crystal-clear visuals and vibrant colors with our solid 24-inch FHD IPS Monitor. Elevate your viewing experience to new heights as every detail comes alive on the compact screen, making your content truly immersive. Experience smooth 120Hz refresh rate, ensuring each frame is a visual delight. No more lag or motion blur – just pure and clear for eye pleasure. The 1ms MPRT takes your working experience to the next level, making fast-paced scenes sharper and more exhilarating. 24B3HA2 isn't just about visuals; it's a feast for your ears too. Enjoy rich sound with built-in 2W speakers, turning every movie night or watching multimedia session into action which can fulfil basic audio needs without the need for additional audio equipment. Sleek and stylish narrow borders provide you with more screen real estate, featuring a 9.5mm ultra-narrow chin that is almost half as thin as standard monitors. Lastly, the low blue light feature ensures your eyes stay fresh during extended use. This is a statement piece for your setup.

Features



IPS Panel
IPS panel ensures an excellent viewing experience with lifelike yet brilliant and accurate colours. Colours look consistent no matter from which angle you look at the display



120Hz Refresh Rate
Equip yourself with twice the frame rate of other monitors and say goodbye to image stuttering and blurry motion. With a 120Hz refresh rate every frame is rendered sharply and in smooth succession, so you can line up your shots accurately and appreciate high speed races in all their glory.



Adaptive sync
Adaptive Sync aligns your monitor's vertical refresh rate with the frame rate delivered by your GPU, making your gameplay and casual gaming experience even more fluid by eliminating stuttering, tearing and judder. This feature is also useful when enjoying videos and other visual media, for a smoother entertainment.

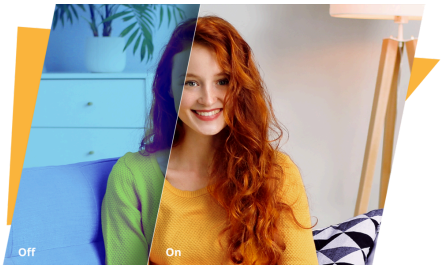


Speakers
Built-in speakers make it easy to catch up with family, friends and colleagues. For movies, music, games and more, you'll enjoy quality audio without the hassle of connecting external speakers.



HDMI
HDMI (High-Definition Multimedia Interface) is supported by the current gaming consoles, current GPUs, set-top boxes, supporting the HDCP digital content protection system. HDMI 1.3-1.4b versions support up to 144 Hz refresh rate@1080p and 75 Hz@1440p, while HDMI 2.0-2.0b versions support 240Hz@1080p, 144Hz@1440p and 60 Hz@2160p (4K).

Frameless design
Besides looking modern and attractive, frameless designs enable seamless multi-monitor setups. Your cursor/windows will not be lost anymore in the dark abyss of bezels, when many displays are placed side by side.



Low Blue Light
AOC Lowblue Light protects you from harmful blue light which, during long sessions, has been shown to cause eye strain, headaches, and sleeping disorders. Our Lowblue Light feature reduces the harmful wavelengths emitted without sacrificing color composition, setting the experience free from the worry of eye damage.

GENERAL	
Model Name	24B3HA2
Brand	AOC
Channel	B2C
Product line	Basic-line
Design family	B3
Launch date (ETA)	2/1/2024
EAN	4038986151481

DISPLAY INFORMATION	
Screen size (inch)	23.8
Screen size (cm)	60.5
Flat / Curved	Flat
Display hardness	3H
Panel treatment	Antiglare (AG)
Pixel Pitch (mm)	0.2745
Pixels per Inch	93.0
Panel resolution	1920x1080
Aspect ratio	16:9
Panel type	IPS
Backlight type	WLED
Max Refresh rate	120 Hz
Response time GtG (typical)	4 ms
Response time MPRT	1 ms
Static contrast ratio (typical)	1500:1
Dynamic contrast ratio	20M:1
Viewing angle (CR10)	178/178
Display colours	16.7M (6bits+FRC)
Brightness in nits (typical)	300 cd/m²
Local Dimming Zones	Global Dimming

VIDEO FEATURES	
Sync technology (VRR)	Adaptive Sync
Digital Signal Frequency Vertical	48-100Hz
Digital Signal Frequency Horizontal	30k-115Khz
Colour space (sRGB) CIE 1931 %	100.1
Colour space (sRGB) CIE 1976 %	95.2
Colour space (DCI-P3) CIE 1931 %	73.8
Colour space (DCI-P3) CIE 1976 %	73.8
Colour space (Adobe RGB) CIE 1931 %	74.2
Colour space (Adobe RGB) CIE 1976 %	81.6
Flicker-Free	Flicker Free

CABINET INFORMATION	
Bezel Colour (front)	Black
Cabinet colour (backside)	Black
Cabinet finishing (backside)	Texture
Removable stand	Yes
Speaker power	2 W x 2
Kensington Lock	Yes
Vesa wallmount	100x100

ERGONOMIC INFORMATION	
Tilt	-5/25

SUSTAINABILITY	
TCO Certified	No
Energy star	Energy star 8
WEEE	Yes
REACH compliant	Yes
RoHs compliant	Yes
PVC/BFR free housing	Yes
Mercury free	Yes
Recycable packaging material	100 % recycable
Carton material	Paper

POWER CONSUMPTION	
Power supply	Internal
Power consumption on (typical) in watts	20.0
Power consumption standby in watts	0.5
Power consumption off in watts	0.3
Energy class	E

REGULATORY COMPLIANCE	
CB	Yes
CE	Yes
TUV-Bauart-Mark	Yes
ISO 9241-307	Yes
EAC	Yes
FCC	Yes

CONNECTIVITY INFORMATION	
HDMI	HDMI 1.4 x 1
Digital HDCP (HDMI version)	HDCP 1.4
Audio Output	1x Audio out
D-SUB (VGA)	1x
DVI	0x
RJ45	No

PRODUCT DIMENSIONS	
Product dimensions incl. base (WxHxD) mm	542.4 x 412.1 x 202.3
Product dimensions excl. base (WxHxD) mm	542.4 x 316.2 x 44.6
Packaging dimensions (WxHxD) mm	614 x 394 x 126
Gross weight incl. package (in kg)	4.65
Net weight excl. package (in kg)	2.97
Product without stand (kg)	2.65

WHAT'S IN THE BOX	
HDMI cable	1.5
Power Cable	Yes

OTHER INFORMATION	
Warranty period	3 years
MTBF	50.000 hours

⚠ LEGAL DISCLAIMER

The monitor may appear different from the feature image. The products, accessories, cable(s) supplied with the product may vary in type, quantity, and/or specifications in line with country- or region-specific requirements. Specifications are subject to change without notice. The above functionality may vary depending on the user's actual usage conditions. This product is sold with a limited manufacturer's warranty. Please refer to the warranty terms for coverage details. All Rights reserved.