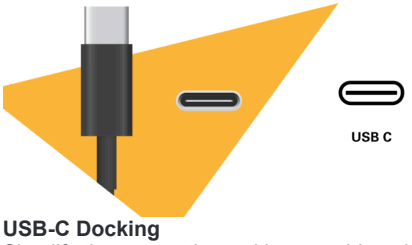
# 24B3CA2

## High-performance clarity with 23.8" FHD monitor featuring 100Hz refresh rate and HDMI

Introducing the newest addition to the B3 line– a brilliant 23,8-inch display featuring an IPS panel for breathtaking visuals with 1920 x 1080 resolution and 100Hz refresh rates. If you're looking for a compact sized monitor with smooth experience, the 24B3CA2 is the ideal choice. Also, with one USB-C cable, video signal, power delivery and data transfer are available which will improve your productivity. Whether you're working or studying, enjoy a more comfortable and enjoyable viewing experience with the compact screen size of the 24B3CA2.

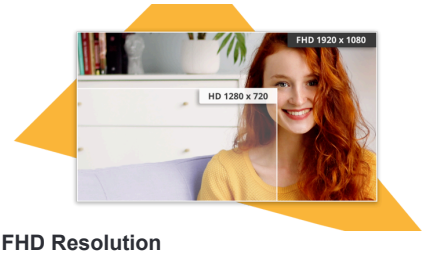
## Features

**100Hz Refresh Rate**
Equip yourself with twice the frame rate of other monitors and say goodbye to image stuttering and blurry motion. With a 100Hz 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.



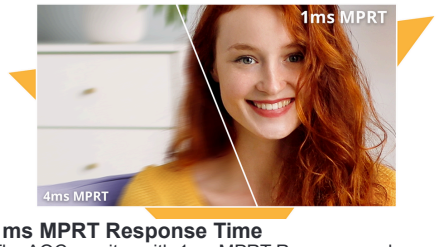

**USB-C Docking**
Simplify the connections with one cable only. The USB-C connection provides DisplayPort Alternate Mode for transferring high-resolution video signals from a notebook to the monitor while simultaneously charging the notebook's battery from the monitor with USB power delivery.

**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).




**FHD Resolution**
Want to watch a Blu-ray movie in full quality, enjoy games in high resolution or read crisp text in office applications? Thanks to its Full HD resolution of 1920 x 1080 pixels, this monitor lets you do just that. Whatever you are viewing, with Full HD it will be displayed in rich detail without requiring a high-end graphics card or consuming a lot of your system's resources.

**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.




**1ms MPRT Response Time**
The AOC monitor with 1ms MPRT Response reduces significantly the motion blur, making fast-paced action look crisp and clear, providing an edge in reaction-sensitive games. More than speed, the AOC monitor with a 1ms MPRT is a seamless, fluid motion that immerses you in the virtual world. Whether navigating through a fast-paced racing game or engaged in a high-stakes battle, every millisecond counts.

| GENERAL | |
|---|---|
| **Model Name** | 24B3CA2 |
| **Brand** | AOC |
| **Channel** | B2C |
| **Product line** | Basic-line |
| **Design family** | B3 |
| **EAN** | 4038986141468 |

| 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** | 100 Hz |
| **Response time GtG** | 4 ms |
| **Response time MPRT** | 1 ms |
| **Static contrast ratio** | 1300:1 |
| **Dynamic contrast ratio** | 20M:1 |
| **Viewing angle (CR10)** | 178/178 |
| **Display colours** | 16.7M (6bits+FRC) |
| **Brightness in nits** | 250 cd/m² |
| **Local Dimming Zones** | Global Dimming |

| VIDEO FEATURES | |
|---|---|
| **Sync technology (VRR)** | Adaptive Sync |
| **Digital Signal Frequency Vertical** | 48-100Hz |
| **Digital Signal Frequency Horizontal** | 30-115kHz |
| **Blue Light Technology** | Low Blue Light |
| **Colour space (sRGB) CIE 1931 %** | 102,7 |
| **Colour space (sRGB) CIE 1976 %** | 102,5 |
| **Colour space (DCI-P3) CIE 1931 %** | 75,7 |
| **Colour space (DCI-P3) CIE 1976 %** | 81,6 |
| **Colour space (Adobe RGB) CIE 1931 %** | 76,1 |
| **Colour space (Adobe RGB) CIE 1976 %** | 87,8 |
| **Flicker-Free** | Flicker Free |
| **KVM** | No |

| 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 |
| **MonitorWebcam** | No |

| ERGONOMICS | |
|---|---|
| **Tilt** | -5 (+3/-0) ~ +23 (-3/+0) |

| 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 |
| **Post-consumer recycled plastic** | No (B2C) |
| **Carton material** | Paper |

| POWER CONSUMPTION | |
|---|---|
| **Power supply** | Internal |
| **Power consumption on (typical) in watts** | 35,0 |
| **Power consumption standby in watts** | 0,5 |
| **Power consumption off in watts** | 0,3 |
| **Energy class** | E |

| CONNECTIVITY INFORMATION | |
|---|---|
| **HDMI** | HDMI 1.4 x 1 |
| **Digital HDCP (HDMI version)** | HDCP 1.4 |
| **USB Hub** | Yes |
| **USB type downstream** | 2 x USB-A |
| **USB fast charge port** | Yes |
| **Audio Output** | Headphone out (3.5mm) |
| **mini USB (for external keypad)** | No |
| **USB Type upstream** | 1x USB-C (DP Alt Mode), USB-C PD:65W |
| **USB generation** | USB 3.2 (Gen 1), 5 Gbit/s |
| **D-SUB (VGA)** | 0x |
| **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 x126 |
| **Gross weight incl. package (in kg)** | 5,28 |
| **Net weight excl. package (in kg)** | 3,36 |
| **Product without stand (kg)** | 3,04 |

| WHAT'S IN THE BOX | |
|---|---|
| **HDMI cable** | 1.5 |
| **USB-C to C cable** | 1.8 |
| **Power Cable** | Yes |

| OTHER INFORMATION | |
|---|---|
| **Warranty period** | 3 years |