

AOC Basic-line 27B3CA2 - B3 Series

LED monitor - 27" - 1920 x 1080 Full HD (1080p) @ 100 Hz - IPS - 250 cd/m² - 1300:1 - 1 ms - HDMI - USB-C - speakers

Group	Flat Screens
Manufacturer	AOC
Manufacturer item no.	27B3CA2
EAN/UPC	4038986181471



Description

Discover the perfect blend of form and function with the AOC 27B3CA2 monitor from the AOC Basic-line. This 27-inch LED-backlit LCD monitor is designed to deliver an exceptional viewing experience, whether you're working, gaming, or enjoying multimedia content. With its Full HD (1080p) resolution and IPS technology, it offers wide viewing angles of 178 degrees, ensuring vibrant and consistent colors from any perspective. The monitor provides deep blacks and bright whites. The AOC 27B3CA2 is also built for connectivity. It features a built-in USB 3.2 Gen 1/USB-C hub, allowing you to connect multiple devices directly to the monitor. The inclusion of AMD Adaptive-Sync technology ensures smooth, tear-free gaming experiences by synchronizing the display's refresh rate with your GPU. For professionals and creatives, the wide color gamut, including sRGB and DCI-P3 coverage, means accurate color reproduction for design and video editing tasks. Ergonomically designed, the monitor offers tilt adjustments to ensure comfort during long hours of use. Its ultra-narrow bezels make it an ideal choice for multi-monitor setups, providing a seamless visual experience. Additionally, features like Low Blue Light Mode and an anti-glare screen help reduce eye strain during extended use. With its blend of performance, connectivity, and comfort, the AOC 27B3CA2 is a versatile monitor that meets the needs of gamers, professionals, and everyday users alike.

Main features

Product Description	AOC Basic-line 27B3CA2 - B3 Series - LED monitor - Full HD (1080p) - 27" - HDR
Device Type	LED-backlit LCD monitor - 27"
Energy Class	Class E
Adaptive-Sync Technology	AMD Adaptive-Sync
Features	USB 3.2 Gen 1/USB-C hub
Panel Type	IPS
Aspect Ratio	16:9
Native Resolution	Full HD (1080p) 1920 x 1080 at 100 Hz
Brightness	250 cd/m ²
Contrast Ratio	1300:1 / 20000000:1 (dynamic)
Response Time	4 ms (grey-to-grey), 1 ms (MPRT)
Colour Support	16.7 million colours
Colour Gamut	101.8% sRGB (CIE 1931), 75% DCI-P3 (CIE 1931), 101.4% sRGB (CIE 1976), 80.7% DCI-P3 (CIE 1976), 75.4% Adobe RGB (CIE 1931), 86.9% Adobe RGB (CIE 1976), 72.1% NTSC (CIE 1931), 88.4% NTSC (CIE 1976), 101.8% BT.709 (CIE 1931), 101.4% BT.709 (CIE 1976), 53.8% BT.2020 (CIE 1931), 58.8% BT.2020 (CIE 1976)
Input Connectors	HDMI, USB-C
Display Position Adjustments	Tilt

Screen Coating	Anti-glare, Haze 25%
Voltage	AC 100-240 V (50/60 Hz)
Dimensions (WxDxH) - with stand	61.66 cm x 22.95 cm x 45.29 cm
Weight	6.93 kg
Compliant Standards	Plug and Play, WHQL, CB, DDC/CI, ISO 9241-307, TUV Bauart, EAC, FCC Part 15 Class B, UKCA

Extended details

General	
Display Type	LED-backlit LCD monitor / TFT active matrix
Energy Class	Class E
Energy Class (HDR)	Class E
Diagonal Size	27"
Adaptive-Sync Technology	AMD Adaptive-Sync
Built-in Devices	USB 3.2 Gen 1/USB-C hub
Panel Type	IPS
Aspect Ratio	16:9
Native Resolution	Full HD (1080p) 1920 x 1080 at 100 Hz
Pixel Per Inch	82
Brightness	250 cd/m²
Contrast Ratio	1300:1 / 20000000:1 (dynamic)
Colour Support	16.7 million colours
Colour Gamut	101.8% sRGB (CIE 1931), 75% DCI-P3 (CIE 1931), 101.4% sRGB (CIE 1976), 80.7% DCI-P3 (CIE 1976), 75.4% Adobe RGB (CIE 1931), 86.9% Adobe RGB (CIE 1976), 72.1% NTSC (CIE 1931), 88.4% NTSC (CIE 1976), 101.8% BT.709 (CIE 1931), 101.4% BT.709 (CIE 1976), 53.8% BT.2020 (CIE 1931), 58.8% BT.2020 (CIE 1976)
Response Time	4 ms (grey-to-grey), 1 ms (MPRT)
Vertical Refresh Rate	48 - 100 Hz
Horizontal Refresh Rate	30 - 115 kHz
Horizontal Viewing Angle	178
Vertical Viewing Angle	178
Screen Coating	Anti-glare, Haze 25%
Backlight Technology	WLED
Features	Low Blue Light Mode, Ultra Narrow Bezels, 6-bit + FRC Color Depth, Global Dimming
Dimensions (WxDxH)	61.66 cm x 22.95 cm x 45.29 cm - with stand
Weight	6.93 kg
Audio	
Type	Speakers - stereo
Output Power / Channel	2 Watt
Connectivity	

Interfaces	HDMI (HDCP 1.4) USB-C (DisplayPort Alt Mode, data, power up to 65W) USB 3.2 Gen 1 downstream Headphone jack (mini-jack)
	Mechanical
Display Position Adjustments	Tilt
Tilt Angle	-5/+23
VESA Mounting Interface	100 x 100 mm
	Miscellaneous
Features	Security lock slot (cable lock sold separately), detachable stand
MTBF	30,000 hour(s)
Compliant Standards	Plug and Play, WHQL, CB, DDC/CI, ISO 9241-307, TUV Bauart, EAC, FCC Part 15 Class B, UKCA
Security Slot Type	Kensington security slot
	Power
Input Voltage	AC 100-240 V (50/60 Hz)
Power Consumption SDR (On mode)	21 kWh/1000h
Power Consumption HDR (On mode)	21 kWh/1000h
Power Consumption (Typical)	35 Watt
Power Consumption (Max)	135 Watt
Power Consumption Stand by	0.5 Watt
Power Consumption (Off Mode)	0.3 Watt
	Dimensions & Weight
Dimensions & Weight Details	With stand - width: 61.66 cm - depth: 22.95 cm - height: 45.29 cm - weight: 6.93 kg Without stand - width: 61.66 cm - depth: 4.54 cm - height: 35.67 cm - weight: 4.05 kg
	Dimensions & Weight (Shipping)
Shipping Width	69 cm
Shipping Depth	14.2 cm
Shipping Height	45.3 cm
Shipping Weight	6.93 kg
	Manufacturer Warranty
Service & Support	Limited warranty - 3 years
	Environmental Parameters
Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	10 - 85% (non-condensing)

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