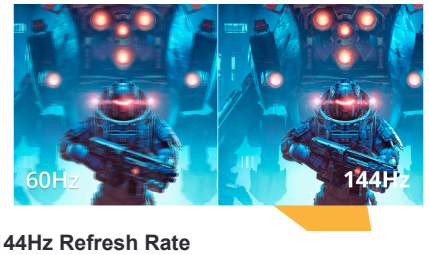
Q24B36X

Dominate every frame with the Q24B36X 24" QHD gaming monitor

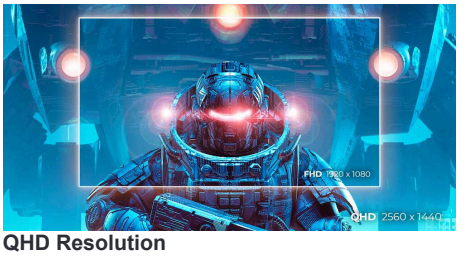
Experience smooth gameplay on the Q24B36X with a 144Hz refresh rate, 0.5ms MPRT response time, and IPS clarity. Featuring HDR10 and AdaptiveSync technology, it delivers vivid visuals and tear-free performance for competitive and immersive gaming.

Features



144Hz Refresh Rate
Equip yourself with twice the frame rate of other monitors and say goodbye to image stuttering and blurry motion. With a 144Hz 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.

0.5ms MPRT - Moving Picture Response Time
MPRT is an acronym for moving picture response time. MPRT technology disables and enables your monitor backlight during picture changes. Through the reduced time a frame is shown on the monitor, “ghosting” and “blurring” effects are reduced, resulting in a smoother, more “fluid” feeling gaming experience.



QHD Resolution
With 2560 x 1440 resolution, Quad HD (QHD) offers superior picture quality and sharp imagery that reveals the finest details. The widescreen 16:9 aspect ratio provides plenty of space to spread out and work, plus allows you to enjoy games or movies in their original size.

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

Live the game at its best with HDR10
HDR10 is here to enhance picture quality even further, improving the synchronization of your GPU or your console with the monitor. This creates a more realistic, immersive, and smooth gaming experience: You’ll feel like stepping in the game, frame by frame.

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.

GENERAL	
Model Name	Q24B36X
Brand	AOC
Channel	B2C
Product line	Basic-line
Design family	B3
Launch date (ETA)	1/1/2026
EAN	4038986143196

DISPLAY INFORMATION	
Screen size (inch)	23,8
Screen size (cm)	60,5
Flat / Curved	Flat
Display hardness	6H
Panel treatment	Antiglare (AG)
Pixel Pitch (mm)	0,2058
Pixels per Inch	123,41
Panel resolution	2560x1440
Aspect ratio	16:9
Panel type	IPS
Backlight type	WLED
Max Refresh rate	144 Hz
Response time GtG	4 ms
Response time MPRT	0.5 ms
Static contrast ratio	1300:1
Dynamic contrast ratio	20M:1
Viewing angle (CR10)	178/178
Display colours	16.7M (8bits)
Brightness in nits	300 cd/m²

VIDEO FEATURES	
Sync technology (VRR)	Adaptive Sync
Digital Signal Frequency Vertical	48-144Hz
Digital Signal Frequency Horizontal	30k-230kHz
HDR (High Dynamic Range)	HDR 10
Blue Light Technology	Low Blue Light
Colour space (sRGB) CIE 1976 %	114,7
Colour space (DCI-P3) CIE 1976 %	88,8
Colour space (Adobe RGB) CIE 1931 %	98,7
Flicker-Free	Flicker Free

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

ERGONOMICS	
Tilt	-5/21

POWER CONSUMPTION	
Power supply	External
Power consumption on (typical) in watts	23,0
Power consumption standby in watts	0,3
Power consumption off in watts	0,3
Energy class	D

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

CONNECTIVITY INFORMATION	
HDMI	HDMI 2.0 x 1
Digital HDCP (HDMI version)	HDCP 1.4/2.2
DisplayPort	DisplayPort 1.4 x 1
Audio Output	Headphone out (3.5mm)
DP HDCP version	HDCP 1.4/2.2

PRODUCT DIMENSIONS	
Product dimensions incl. base (WxHxD) mm	542.4 x 417.1 x 197.9
Product dimensions excl. base (WxHxD) mm	542.4 x 317.8 x 34.8
Packaging dimensions (WxHxD) mm	610 x 378 x 124
Gross weight incl. package (in kg)	4,55
Net weight excl. package (in kg)	2,5
Product without stand (kg)	2,23

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

OTHER INFORMATION	
Warranty period	3 years