

BECOME THE
ULTIMATE LEGEND

POWERED BY
AG456UCZD



G-MENU



LOW INPUT LAG



AG456UCZD is a 44.5 inch gaming monitor OLED WQHD @ 3440 X1440 px, 240Hz, 0.03ms response time, curved 800R, HDR10, low blue mode. Even in the darkest environment, it can create highly detailed images for you. OLED "organic light-emitting diodes" can create pure and deep blacks, presenting a near-infinite contrast ratio while providing purer colors, making the picture more realistic. And through faster reaction time, smoother images, and better immersion, players can enjoy an immersive gaming experience.

- **USB-C Docking**
- **Picture by Picture (PbP)**
- **Display Port**
- **HDMI**
- **Low Blue Light**
- **Speakers**

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.

PICTURE BY PICTURE (PBP)

Picture by Picture is a feature that allows you to make use of multiple sources (e.g. from your laptop and desktop PC) simultaneously and display them on the same screen. Its commanding overview gives you more control and boosts your efficiency both while streaming, working and playing considerably.

DISPLAY PORT

DisplayPort offers ultra-fast digital audio and video transmission without quality loss or input lag. Quickly and easily connect a range of devices to your screen, including your computer, laptop, media player, game console and more. It's perfect for professionals as well as the most demanding home users.

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).

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.

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.

GENERAL		VIDEO FEATURES		ERGONOMICS	
Model Name	AG456UCZD	Sync technology (VRR)	Adaptive Sync	Tilt	3° ±2° ~ 13° ±2°
Brand	AOC	NVIDIA G-SYNC™	NVIDIA G-SYNC Compatible	Height adjust (mm)	100mm
Channel	Gaming	AMD FreeSync™	AMD FreeSync Premium	Swivel	15° ±2° ~15° ±2°
Product line	AGON PRO				
Design family	AG6	Digital Signal Frequency Vertical	DP1.4/USBC: 48-240Hz , HDMI2.0: 48-100Hz		
Launch date (ETA)	3/1/2024	Digital Signal Frequency Horizontal	DP1.4/USBC: 30-385kHz , HDMI2.0: 30-160kHz		
EAN	4038986111416	HDR (High Dynamic Range)	HDR 10		
DISPLAY INFORMATION		Blue Light Technology	Anti Blue Light		
Screen size (inch)	44,5	Multiview (PbP, PiP)	PiP+PbP		
Screen size (cm)	113,0	Colour space (sRGB) CIE 1976 %	127,5		
Flat / Curved	Curved	Colour space (DCI-P3) CIE 1976 %	98,5		
Curvature Radius	800R	Colour space (Adobe RGB) CIE 1976 %	96,3		
Display hardness	3H	Flicker-Free	Flicker Free		
Pixel Pitch (mm)	0,303	CABINET INFORMATION			
Pixels per Inch	93,2	Bezel Colour (front)	Black		
Panel resolution	3440x1440	Cabinet colour (backside)	Grey, Black		
Aspect ratio	21:9	Cabinet finishing (backside)	Texture		
Panel type	OLED	Removable stand	Yes		
Max Refresh rate	240 Hz	Speaker power	8 W x 2		
Response time GtG	0.03 ms	Kensington Lock	Yes		
Static contrast ratio	150,000:1	Vesa wallmount	100x100		
Dynamic contrast ratio	80M:1				
Viewing angle (CR10)	178/178				
Display colours	1.07 Billion				
Brightness in nits	1000 cd/m²				
		GAMING FEATURES		POWER CONSUMPTION	
		Gaming style	Shooters, MMORPG, Action, eSports, RTS, Beat'm up, Racing	Power supply	Internal
		Game mode	RTS, FPS, Racing, Gamer 1, Gamer 2, Off	Power consumption on (typical) in watts	103,0
		Gaming convenience	G-menu	Power consumption standby in watts	0,5
		PS5 Compatibility	2560x1440@120Hz	Power consumption off in watts	0,5
		Xbox X Compatibility	2560x1440@120Hz	Energy class	F
		Xbox S Compatibility	2560x1440@120Hz	REGULATORY COMPLIANCE	
				CE	Yes
				FCC	Yes

CONNECTIVITY INFORMATION		WHAT'S IN THE BOX	
HDMI	HDMI 2.0 x 2	HDMI cable	1x
Digital HDCP (HDMI version)	HDCP 2.2	Displayport cable	1x
DisplayPort	DisplayPort 1.4 x 1	USB-B upstream cable	1.8
USB Hub	Yes	USB-C to C/A cable	1.5
USB type downstream	4 x USB-A		
USB fast charge port	Yes		
Audio Output	Headphone out (3.5mm)		
DP HDCP version	HDCP 2.2		
USB Type upstream	1x USB-C (DP Alt Mode), USB-C PD: 90W		
USB generation	USB 3.0, USB 3.2 (Gen 1)		
PRODUCT DIMENSIONS		OTHER INFORMATION	
		Warranty period	3 years
Product dimensions incl. base (WxHxD) mm	992.2 x 509-609 x 359.2		
Product dimensions excl. base (WxHxD) mm	992.2 x 457 x 219.8		
Packaging dimensions (WxHxD) mm	1130 x 578 x 400		
Gross weight incl. package (in kg)	19,21		
Net weight excl. package (in kg)	13,35		
Product without stand (kg)	11,35		