

AGON
BY AOC

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.

- **Three-Year Warranty OLED**
- **Wide QHD (WQHD) Resolution**
- **800R Curved**
- **G-SYNC Compatible**
- **KVM**
- **Live the game at its best with HDR10**

THREE-YEAR WARRANTY OLED

Warranty included: 3-Year Warranty (Including coverage for OLED burn-in*) For more information, please refer to Warranty Information page. OLED burn-in* Warranty is covered only when the screen maintenance is performed in accordance with the instructions to be found here.





WIDE QHD (WQHD) RESOLUTION

With 3440 x 1440 resolution, Wide Quad HD (WQHD) offers superior picture quality and crisp imagery that reveals every detail. The widescreen 21:9 aspect ratio is perfect for watching movies in an expansive format or immersing yourself in the latest game, plus it offers more space when it's time to work. True 8-bit color provides a broad color palette for vibrant, natural-looking images.

800R CURVED

Curved design wraps around you putting you at the center of the action and provides an immersive gaming experience.



G-SYNC COMPATIBLE

Enable flawless picture quality by synchronising new generations of NVIDIA graphics cards* with this G-SYNC Compatible monitor. *Please refer to NVIDIA website for the complete list of GPUs working with G-SYNC Compatible monitors

KVM

Share one single keyboard, mouse and monitor between multiple computers with KVM switch hardware.



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.

GENERAL

Model Name	AG456UCZD
Brand	AOC
Channel	Gaming
Product line	AGON PRO
Design family	AG6
Launch date (ETA)	3/1/2024
EAN	4038986111416

DISPLAY INFORMATION

Screen size (inch)	44.5
Screen size (cm)	113.0
Flat / Curved	Curved
Curvature Radius	800R
Display hardness	3H
Pixel Pitch (mm)	0.303
Pixels per Inch	93.2
Panel resolution	3440x1440
Aspect ratio	21:9
Panel type	OLED
Max Refresh rate	240 Hz
Response time GtG	0.03 ms
Static contrast ratio	150,000:1
Dynamic contrast ratio	80M:1
Viewing angle (CR10)	178/178
Display colours	1.07 Billion
Brightness in nits	1000 cd/m ²

VIDEO FEATURES

Sync technology (VRR)	Adaptive Sync
NVIDIA G-SYNC™	NVIDIA G-SYNC Compatible
AMD FreeSync™	AMD FreeSync Premium
Digital Signal Frequency Vertical	DP1.4/USBC: 48- 240Hz , HDMI2.0: 48-100Hz
Digital Signal Frequency Horizontal	DP1.4/USBC: 30- 385kHz , HDMI2.0: 30-160kHz
HDR (High Dynamic Range)	HDR 10
Blue Light Technology	Anti Blue Light
Multiview (PbP, PiP)	PiP+PbP
Colour space (sRGB) CIE 1976 %	127.5
Colour space (DCI-P3) CIE 1976 %	98.5
Colour space (Adobe RGB) CIE 1976 %	96.3
Flicker-Free	Flicker Free

CABINET INFORMATION

Bezel Colour (front)	Black
Cabinet colour (backside)	Grey, Black
Cabinet finishing (backside)	Texture
Removable stand	Yes
Speaker power	8 W x 2
Kensington Lock	Yes
Vesa wallmount	100x100

ERGONOMICS

Tilt	3° ±2° ~ 13° ±2°
Height adjust (mm)	100mm
Swivel	15° ±2° ~15° ±2°

GAMING FEATURES

Gaming style	Shooters, MMORPG, Action, eSports, RTS, Beat'm up, Racing
Game mode	RTS, FPS, Racing, Gamer 1, Gamer 2, Off
Gaming convenience	G-menu
PS5 Compatibility	2560x1440@120Hz
Xbox X Compatibility	2560x1440@120Hz
Xbox S Compatibility	2560x1440@120Hz

POWER CONSUMPTION

Power supply	Internal
Power consumption on (typical) in watts	103.0
Power consumption standby in watts	0.5
Power consumption off in watts	0.5
Energy class	F

REGULATORY COMPLIANCE

CE	Yes
FCC	Yes

CONNECTIVITY INFORMATION

HDMI	HDMI 2.0 x 2
Digital HDCP (HDMI version)	HDCP 2.2
DisplayPort	DisplayPort 1.4 x 1
USB Hub	Yes
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

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

WHAT'S IN THE BOX

HDMI cable	1x
Displayport cable	1x
USB-B upstream cable	1.8
USB-C to C/A cable	1.5

OTHER INFORMATION

Warranty period	3 years
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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.