AGON BY AOC

BECOME THE ULTIMATE LEGEND

POWERED BY

AG456UCZD

G-MENU

LOW INPUT LAG

NVIDIA G-SYNC

LIGHT FX SYNC

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

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/m²

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 × 219.8
Packaging dimensions (WxHxD) mm	1130 x578 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