

AOC U3 U27U3CV, 68.6 cm (27"), 3840 x 2160 pixels, 4K Ultra HD, LCD, 4 ms, Black

Screen size (inch) 27 - Panel resolution 3840x2160 - Max Refresh rate 60 Hz - Panel type Nano IPS - USB-C connectivity 1 x USB-C (DP1.4 Alt Mode - USB3.2 Gen 2 - upstream - 10Gbps - w/ HDR - Max. PD 96W Smart Power - HDR - Adaptive Sync) - 1 x USB-C (USB3.2 Gen 2 - upstream - 10Gbps) - 1 x USB-C (USB3.2 Gen 2 - downstream - 10Gbps - power supply up to 15W) - HDMI HDMI 2.0 x 2 - Display Port DisplayPort 1.4 x 1 - Sync technology (VRR) Adaptive Sync



Group	Flat Screens
Manufacturer	AOC
Manufacturer item no.	U27U3CV
EAN/UPC	4038986182072

Description

Precision-engineered for graphics excellence with hardware-calibrated precision (Delta E<2), calman ready calibration, and UHD Nano IPS display

The AOC Graphic Pro U27U3CV delivers exceptional color accuracy straight out of the box, thanks to its hardware calibration achieving Delta E<2 (sRGB). Fine-tune settings effortlessly with the Calman Ready feature for optimal performance. With 98% coverage of the DCI P3, 100% of the sRGB and 100% of the Rec 709 color space, it's ideal for graphic and photo editing, offering superior quality compared to standard monitors. Its Delta E < 2 accuracy ensures precise color rendering, surpassing human eye perception. Enhanced with a 4-sided frameless screen, Vesa DisplayHDR 400, USB-C docking station, and sleek design, it stands as the top choice for professionals.

Main features

	General
Display diagonal	68.6 cm
Display resolution	3840 x 2160 pixels
HD type	4K Ultra HD
Display technology	LCD
Response time	4 ms
Native aspect ratio	16:9
Viewing angle, horizontal	178 °
Viewing angle, vertical	178 °
Built-in speaker(s)	Yes
Built-in USB hub	Yes
USB hub version	3.2 Gen 2 (3.1 Gen 2)
VESA mounting	Yes
Height adjustment	Yes
Product colour	Black

Extended details

	Display
Display diagonal	68.6 cm
Display resolution	3840 x 2160 pixels
Native aspect ratio	16:9
Display technology	LCD
Touchscreen	No
HD type	4K Ultra HD
Panel type	Nano IPS
LED backlight	Yes
Backlight type	W-LED
Display brightness (typical)	400 cd/m ²
Response time	4 ms
Response time measurement type	GTG (Gray to Gray)
Anti-glare screen	Yes
Screen shape	Flat
Contrast ratio (typical)	1300:1
Contrast ratio (dynamic)	50000000:1
Maximum refresh rate	60 Hz
Viewing angle, horizontal	178 °
Viewing angle, vertical	178 °
Display number of colours	1.073 billion colours
Pixel pitch	0.155 x 0.155 mm
Pixel density	163 ppi
Horizontal scan range	30 - 140 kHz
Vertical scan range	23 - 75 Hz
Viewable size, horizontal	59.7 cm
Viewable size, vertical	33.6 cm
Digital horizontal frequency	30 - 140 kHz
Digital vertical frequency	23 - 75 Hz
Display diagonal (metric)	68.6 cm
High Dynamic Range (HDR) supported	Yes
High Dynamic Range (HDR) technology	DisplayHDR 400
DDC/CI	Yes
Haze rate	25 %
Surface hardness	3H

Colour gamut standard	DCI-P3
Colour gamut	98 %
sRGB coverage (typical)	135.2 %
Ports & interfaces	
Built-in USB hub	Yes
USB hub version	3.2 Gen 2 (3.1 Gen 2)
USB upstream port type	USB Type-C
Number of upstream ports	2
USB Type-A downstream ports quantity	4
USB Type-C downstream ports quantity	1
USB Type-C DisplayPort Alternate Mode	Yes
USB Power Delivery (USB PD)	Yes
USB Power Delivery up to	96 W
HDMI	Yes
HDMI ports quantity	2
HDMI version	2.0
DisplayPorts quantity	1
DisplayPort version	1.4
Audio output	Yes
Headphone out	Yes
Headphone outputs	1
Built-in KVM switch	Yes
AC (power) in	Yes
Design	
Market positioning	Graphics design
Product colour	Black
Frameless design	Yes
Front bezel colour	Black/Silver
Detachable stand	Yes
Feet colour	Grey
Multimedia	
Built-in speaker(s)	Yes
Number of speakers	2
RMS rated power	6 W
Built-in camera	No
Ergonomics	

VESA mounting	Yes
Panel mounting interface	100 x 100 mm
Cable lock slot	Yes
Cable lock slot type	Kensington
Height adjustment	Yes
Adjustable height (max)	15 cm
Pivot	Yes
Pivot angle	-90 - 90 °
Swivelling	Yes
Swivel angle range	-30 - 30 °
Tilt adjustment	Yes
Tilt angle range	-6.5 - 23 °
Picture-in-Picture	Yes
Plug and Play	Yes
Performance	
Fast charging	Yes
VESA Adaptive Sync support	Yes
Flicker-free technology	Yes
Low Blue Light technology	Yes
Other features	
Local dimming	Yes
Bezel thickness type	Frameless
Warranty period	3 year(s)
Mean time between failures (MTBF)	30000 h
Certification	WEEE,REACH compliant,RoHs compliant,HF
Packaging content	
Stand included	Yes
Cables included	AC, HDMI, DisplayPort, USB Type-C
Quick start guide	Yes
DisplayPort cable length	1.8 m
HDMI cable length	1.8 m
Power cable length	1.8 m
Weight & dimensions	
Width (with stand)	612.7 mm
Depth (with stand)	238.4 mm
Height (with stand)	543.6 mm
Weight (with stand)	6.54 kg

Height (without stand)	51.2 mm
Weight (without stand)	4.85 kg
	Packaging data
Package width	825 mm
Package depth	162 mm
Package height	480 mm
Package weight	10 kg
Package type	Box
	Power
Energy efficiency class (SDR)	F
Energy efficiency class (HDR)	G
Energy consumption (SDR) per 1000 hours	26 kWh
Energy consumption (HDR) per 1000 hours	60 kWh
Power consumption (typical)	25.45 W
Power consumption (standby)	0.3 W
Power consumption (max)	206 W
Power consumption (off)	0.3 W
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Input current	3 A
Power supply type	Internal
Energy efficiency scale	A to G
	Network
Ethernet LAN	Yes
	Operational conditions
Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-25 - 55 °C
Operating relative humidity (H-H)	10 - 85 %
Storage relative humidity (H-H)	5 - 93 %
Operating altitude	0 - 5000 m
Non-operating altitude	0 - 12192 m
	Sustainability
Sustainability certificates	EPEAT Gold, TCO
Doesn't contain	Mercury, PVC/BFR