



U27U3CV

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 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.

GENERAL

Model Name	U27U3CV
Brand	AOC
Channel	B2B
Product type	Monitor
Product line	Ultra-line
Design family	U3
Classification	Superhero
Launch date (ETA)	2024-04-15T13:55:00

OTHER INFORMATION

EAN	4038986182072
Warranty period	3 years
MTBF	30.000 hours (with backlight)
MTBF (excluding panel)	70.000 hours
Accessory box	No
Operation System	Windows 8.1/10/11, MacOS
OSD type	Normal
Plug & Play Compatibility	Yes, DDC/CI

DISPLAY INFORMATION

Screen size (inch)	27
Screen size (cm)	68.6
Flat / Curved	Flat
Display hardness	3H
Panel treatment	Antiglare (AG)
Pixel Pitch (mm)	0.1554
Pixels per Inch	163
Panel resolution	3840x2160
Resolution name	UHD
Aspect ratio	16:9
Panel type	Nano IPS
Backlight type	WLED
Max Refresh rate	60 Hz
Response time GtG	4 ms
Static contrast ratio	1300:1
Dynamic contrast ratio	50M:1
Viewing angle (CR10)	178/178
Display colours	1.073B (8bits+FRC)
Brightness in nits	350 cd/m2
OD Response (typical)	4 ms GtG
Panel Haze Value	25%
Picture enhancement	Yes
Support 1:1 function	Yes
Local Dimming Zones	Global Dimming
Gamma Adjustment	Yes (supports Gamma 1.8/2.0/2.2/2.4/2.6)

VIDEO FEATURES

Sync technology (VRR)	Adaptive Sync
Digital Signal Frequency Vertical	40-60Hz
Digital Signal Frequency Horizontal	30K-140KHz
HDR (High Dynamic Range)	VESA Certified DisplayHDR™ 400
Multiview (PbP, PiP)	PiP+PbP
Colour space (sRGB) CIE 1931 %	135.2
Colour space (sRGB) CIE 1976 %	130.3
Colour space (DCI-P3) CIE 1931 %	99.7
Colour space (DCI-P3) CIE 1976 %	103.8
Colour space (Adobe RGB) CIE 1931 %	100.2
Colour space (Adobe RGB) CIE 1976 %	111.6
Colour space (NTSC) CIE 1931 %	95.8
Colour space (NTSC) CIE 1976 %	113.6
Colour space (BT 709) CIE 1931 %	135.2
Colour space (BT 709) CIE 1976 %	130.3
Colour space (BT 2020) CIE 1931 %	71.5
Colour space (BT 2020) CIE 1976 %	75.6
Flicker-Free	Flicker Free
eyeSafe (TUV) hardware	No
Delta E<2 (sRGB)	Delta E<2 (sRGB)
3D LUT 17x17x17 and 14-bit LUT	3D LUT 17x17x17 and 14-bit LUT
Calman Ready	Yes
Color Accuracy	E<2

CABINET INFORMATION

Bezel type (front)	4-sided frameless
Bezel Colour (front)	Black
Bezel finishing (front)	Painted
Cabinet colour (backside)	Black
Cabinet finishing (backside)	Texture
Light FX (RGB)	No
Removable stand	Yes
Speakers	Yes
Speaker power	3 W x 2
Kensington Lock	Yes
Vesa wallmount	100x100
Quick release function	Yes
Sound enhancement	No
Stand screw spec	Thumb screw
VESA Mount screw Spec	M4 x 10
MonitorWebcam	No

ERGONOMIC INFORMATION

Tilt	-6.5° ~ 23°
Height adjust (mm)	150mm
Swivel	-30° ~ 30°
Pivot	-90° ~ 90°

CONNECTIVITY INFORMATION	
HDMI	HDMI 2.0 x 2
Digital HDCP (HDMI version)	HDCP 2.2
DisplayPort	DisplayPort 1.4 x 1
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)
USB Hub	Yes
USB Hub speed	USB 3.2 (Gen 2)
USB downstream ports	USB-A x4, USB-C x1 (Power supply up to 15W)
Audio Output	1x Audio out
Audio Input	No
Microphone in	No
Displaylink in	No
DP HDCP version	HDCP 2.2
mini USB (for external keypad)	No
MST / Daisy chain (DP out or TBT out)	No
Thunderbolt in	0x
Thunderbolt out	0x
PD for USB C/TBT	USB C1 : USB PD version 3.0, typical 96W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.8A), USB C3 : power supply up to 15W
USB Hub up stream	1 x USB3.2 type C Gen 2, 10 Gbit/s
Microphone out	No
RJ45	1x 10M/100M/1G
USB Hub Down Stream	4 x USB3.2 type A Gen1, 5Gbps (BC1.2x1 yellow), 1 USB 3.2 type C Gen1, 5Gbps

SUSTAINABILITY	
TCO Certified	Yes
EPEAT	Yes (any level)
Post-consumer recycled plastic	85%
EPA (latest version)	Yes
Halogen free	Yes
Carton material	Paper
Carton material print	Water Print (Brown Carton)

POWER CONSUMPTION

Power supply	Internal
Power source	100 - 240V 50/60Hz
Power consumption on (maximum) in watts	206
Power consumption on (typical) in watts	44
Power consumption standby in watts	0.3
Power consumption off in watts	0.3
Power LED indicator (Operation)	White
Power LED indicator (Standby)	Orange
Power Switch	Yes
Smart Power	Yes

PRODUCT DIMENSIONS

Product dimensions incl. base (WxHxD) mm	612.7 x (401.3~543.6) x 238.4
Product dimensions excl. base (WxHxD) mm	612.7 x 353.12 x 51.25
Packaging dimensions (WxHxD) mm	825 x 480 x 162
Gross weight incl. package (in kg)	10.02
Net weight excl. package (in kg)	6.54
Product without stand (kg)	4.85

WHAT'S IN THE BOX

HDMI cable	1.8
Displayport cable	1.8
USB-C to C/A cable	1.2
RS232	No
Power Cable	Yes
Power adaptor	No
Color and brightness uniformity report in box	Yes
Luminance uniformity	93~105%

MAXIMUM RESOLUTION BY CONNECTOR

Default resolution by input	3840 x 2160@60Hz
Max resolution by input	3840 x 2160@60Hz
Max resolution for USB C/TBT (with USB information)	10 bit panel USB-C@USB3.2 + source HBR2: UHD 30Hz (444 8/10bit) - USB-C@USB3.2 + source HBR3: UHD 60Hz (444 8 bit/422 10bit) - USB-C@USB2.0 + source HBR2: UHD 60Hz (444 8/10bit) - USB-C@USB2.0 + source HBR3: UHD 60Hz (444 8/10bit)

SOFTWARE & DOWNLOADS

eyeComfort (TUV) software	No
Low Blue logo (TUV) software	No

ACOUSTICS

Noise canceling	No
-----------------	----