



Q27U3CV

Precision-engineered for graphics excellence with hardware-calibrated precision (Delta E<2), calman ready calibration, and stunning IPS QD panel

The AOC Graphic Pro Q27U3CV ensures incredibly accurate colors right out of the box, thanks to its hardware calibration achieving Delta E<2 (sRGB). With the Calman Ready feature, you can easily fine-tune the settings for optimal performance. Covering 98% of the DCI P3 color space, it's perfect for graphic and photo editing, offering superior quality compared to standard monitors. Its Delta E < 2 accuracy guarantees precise color rendering, even beyond what the human eye can perceive. Combined with its IPS QD panel, Vesa DisplayHDR 400, USB-C docking station, and sleek design, it's the top choice for professionals.

GENERAL

Model Name	Q27U3CV
Brand	AOC
Channel	B2B
Product type	Monitor
Product line	Ultra-line
Design family	U3
Classification	Superhero

OTHER INFORMATION

EAN	4038986182065
MTBF	30.000 hours (with backlight)
MTBF (excluding panel)	70.000 hours
Operation System	Windows 8.1/10/11
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)	0.2331
Pixels per Inch	109
Panel resolution	2560x1440
Aspect ratio	16:9
Panel type	IPS QD
Backlight type	WLED
Max Refresh rate	75 Hz
Response time GtG	4 ms
Static contrast ratio	1000:1
Dynamic contrast ratio	50M:1
Viewing angle (CR10)	178/178
Display colours	16.7M (8bits)
Brightness in nits	HDR 420 nits
OD Response (typical)	4 ms GtG
Panel Haze Value	25%
Picture enhancement	Yes
Support 1:1 function	Yes
Local Dimming Zones	Local 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	48-75Hz
Digital Signal Frequency Horizontal	HDMI 1.4: 30K-140KHz, DP1.4/USB C: 30K-114KHz
HDR (High Dynamic Range)	VESA Certified DisplayHDR™ 400
Colour space (sRGB) CIE 1931 %	144.5
Colour space (sRGB) CIE 1976 %	136.9
Colour space (DCI-P3) CIE 1931 %	106.5
Colour space (DCI-P3) CIE 1976 %	109
Colour space (Adobe RGB) CIE 1931 %	107.1
Colour space (Adobe RGB) CIE 1976 %	117.3
Colour space (NTSC) CIE 1931 %	102.3
Colour space (NTSC) CIE 1976 %	119.3
Colour space (BT 709) CIE 1931 %	144.5
Colour space (BT 709) CIE 1976 %	136.9
Colour space (BT 2020) CIE 1931 %	76.4
Colour space (BT 2020) CIE 1976 %	79.4
Flicker-Free	Flicker Free
eyeSafe (TUV) hardware	No
KVM	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)	3-sided frameless
Bezel Colour (front)	Black
Bezel finishing (front)	Painted
Cabinet colour (backside)	Black
Cabinet finishing (backside)	Texture
Speakers	Yes
Speaker power	3 W x 2
Kensington Lock	Yes
Vesa wallmount	100x100
Quick release function	Yes
Sound enhancement	No
Stand screw spec	M4 x 10, w/ screw drive accessory
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 1.4 x 1
Digital HDCP (HDMI version)	HDCP 2.2
DisplayPort	DisplayPort x 1
USB-C connectivity	1 x USB-C (DP1.2 Alt Mode, USB3.2 Gen 1 - upstream, 5Gbps, w/ HDR, PD 96W Smart Power, HDR, Adaptive Sync) 1 x USB-C (USB3.2 Gen 1 - downstream, 5Gbps, PD 15W)
USB Hub	Yes
USB Hub speed	USB 3.2 (Gen 1)
USB downstream ports	USB-A x4, USB-C x1 (Power supply up to 15W)
USB fast charge port	Yes
Audio Output	1x Audio out
Audio Input	No
Microphone in	No
DisplayPort output	1x DP-Out 1.2
DP HDCP version	HDCP 2.2
mini USB (for external keypad)	No
MST / Daisy chain (DP out or TBT out)	Yes
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 C2 : PD=15W, 5V/1.5A 5V/3A
USB Hub up stream	1 x USB3.2 type C Gen 1, 5 Gbit/s
Microphone out	No
D-SUB (VGA)	0x
DVI	0x
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	185
Power consumption on (typical) in watts	27
Power consumption standby in watts	0.5
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	613.8 x (401.3~547.7) x 238.4
Product dimensions excl. base (WxHxD) mm	613.8 x 365.0 x 52.5
Packaging dimensions (WxHxD) mm	825 x 480 x 162
Packaging dimensions (WxHxD) mm (CN)	825 x 480 x 162
Gross weight incl. package (in kg)	9.99
Net weight excl. package (in kg)	4.8
Gross weight incl. package (in kg) (CN)	9.99
Product without stand (kg)	6.5

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	2560 x 1440@60Hz (Typical)
Max resolution by input	2560 x 1440@75Hz (Maximum)
Max resolution for USB C/TBT (with USB information)	8 bit panel (tbc)USB-C@USB3.2 + source HBR2: - USB-C@USB3.2 + source HBR3: - USB-C@USB2.0 + source HBR2: - USB-C@USB2.0 + source HBR3:

SOFTWARE & DOWNLOADS

eyeComfort (TUV) software	No
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ACOUSTICS

Noise canceling

No