



PD2730S | 27" 5K BenQ Designer Monitor

Pixel Precision Makes Inspiration Come Alive

The BenQ PD2730S 27" 5K Designer Monitor delivers Retina-like clarity with 218 PPI, ensuring pixel-perfect precision for VFX animators, 3D artists, and concept designers. AQCOLOR technology enables industry-leading dark tone reproduction, solving a key challenge in shadows, gradients, and fine details. Experience precise dark tones and pro-level color accuracy for next-level storytelling.



AQCOLOR[®]
Colors You Can Trust



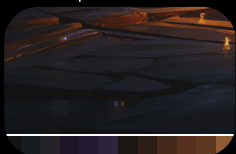
5K Empower Your Photorealistic Art

With 77.8% more pixels than 4K, 5K resolution lets designers view more of their high-definition work with incredible detail. At 218 pixels per inch (PPI), every line, texture, and edge appears sharper, smoother, and crystal clear.

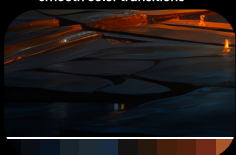
Colors You Can Trust

BenQ AQCOLOR delivers out-of-the-box color accuracy with $\Delta E \leq 2$, 98% P3 coverage, uniformity, and factory calibration. Rigorous testing ensures unmatched precision and confidence for designers.

Poor tonal accuracy with abrupt color transitions



Balanced tonal accuracy with smooth color transitions



See Every Detail, from Light to Shadow

Precise tonal reproduction matters. BenQ expert-tuned color delivers rich layers, natural light transitions, and emotional depth through a finely tuned color hierarchy.—helping 2D and 3D designers bring creative visions to life with unmatched clarity.

All-in-One Thunderbolt 4 Connection

Seamlessly carries images, videos, and data while delivering up to 90W of power through a single cable. It supports ultra-fast 40Gbps data transfer and connects up to two 5K monitors or one 8K monitor.



Because it matters

Model Name	PD2730S
Screen Size	27
Aspect Ratio	16:9
Panel Type	IPS
Resolution (max.)	5120 x 2880
Viewing Angle (L/R) (CR>=10)	178°/178°
Brightness (peak)(HDR)	400
Brightness (typ.)	400
HDR	HDR10 / VESA DisplayHDR 400
Color Gamut	98% P3, 100% sRGB,100% Rec.709
Color Bit	10
Factory Calibration Report	Yes
Delta E(avg)	≤2
Native Contrast	2000:1
Refresh Rate (Hz)	60
Response Times (GtG)	5
Display Colors	1.07 billion colors
Display Area	596.736mm(H) x 335.664mm(V)
Display Screen Coating	Nano Matte Panel
Color Temperature	5000K; 6500K; 9300K; User Define
Gamma	1.8 - 2.6, sRGB
Display Mode	1:1, Aspect Ratio, Full
PPI	218
HDCP	2.3
Uniformity Technology	Yes
Color Mode	User1, User2, DCI-P3, Display P3, Rec.709, sRGB, HDR, M-Book, DICOM, CAD/CAM, Animation, Darkroom
Calman Verified	Yes
Pantone Skin Tone™ Validated	Yes
Pantone Validated	Yes
Solidworks	Yes
TUV Certificate	Flicker-free; Low Blue Light; Reflection Free
Low Blue Light	Yes
Flicker-free Technology	Yes
Built-in Speaker	3Wx2
Headphone Jack	Yes
Hor. Frequency (KHz)	30~178
Ver. Frequency (Hz)	24~76
Video Bandwidth (MHZ)	940
Tilt (down/up)	-5°~20°
Swivel (left/right)	30°/30°
Pivot	90°
Height Adjustment Stand	150mm
VESA Wall Mount	100 x 100
Thunderbolt 4	x1 (PowerDelivery 90W, DisplayPort Alt Mode, Data)
Thunderbolt 4 out	x1 (PowerDelivery 15W)
HDMI (v2.1)	x1
DisplayPort (v1.4)	x1
USB Type-C downstream	x1 (USB 3.2 Gen 2, 10 Gbps, power charging 4.5W)
USB Type-C upstream	x1 (USB 3.2 Gen 2, 10 Gbps, data only)
USB Type-A downstream	x3 (USB 3.2 Gen 2, 10 Gbps, power charging 4.5W)
KVM Switch	Yes
Other Accessories	Wireless Hotkey Puck, QSG, Warranty Card, Calibration Report, Safety Instruction
Power Cable	1.8
Signal Cable	DP1.4, HDMI(v2.1), Thunderbolt 4(1m)
Animation mode	Yes
Darkroom mode	Yes
CAD/CAM mode	Yes
DualView	Yes
PIP/PBP	Yes
Auto Pivot	Yes
Video Format Support	Yes
FW update by USB	Yes
ICCSync	Yes
Display Pilot 2	Yes
Palette Master Ultimate	Yes
Display ColorTalk	Yes
Display Quickkit	Yes
Dimensions (HxWxD) (mm)	427.58~577.58 x 614 x 242.07
Dimensions (HxWxD) (inch)	16.83~22.74 x 24.17 x 9.53
Net Weight (kg / lb)	8.22 kg / 18.12 lbs
Voltage Rating	100 ~ 240V
Power Consumption (normal/max/sleep)	40 / 230 / <0.5
OSD Language	Arabic, Chinese(simplified), Chinese(traditional), Czech, Deutsch, English, French, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Romanian, Russian, Spanish, Swedish

