BenQ GW2791 Technical Datasheet

27" Full HD Eye-Care Home & Office Monitor with 100Hz IPS Panel

Display Specifications

Screen Size	27 inches (68.6 cm)
Panel Type	IPS (In-Plane Switching)
Native Resolution	1920 x 1080 (Full HD)
Aspect Ratio	16:9
Refresh Rate	100 Hz
Response Time	5ms GtG (Gray-to-Gray)
Brightness	250 nits (cd/m²)
Static Contrast Ratio	1300:1
Color Gamut & Support	99% sRGB, 72% NTSC | 16.7 Million Colors
Viewing Angles	178° horizontal / 178° vertical
Screen Coating	Anti-glare matte coating
Backlight Technology	LED / W-LED
Sync Technology	Adaptive Sync

Connectivity & Audio

Video Inputs	1 x HDMI 1.4 (HDCP 1.4 compliant) 1 x DisplayPort 1.2
Audio Interfaces	1 x 3.5mm Headphone Jack (Audio Out)
Built-in Speakers	None (This model does not include integrated speakers)

Eye-Care & Specialized Features

TÜV Certifications	Eyesafe 2.0, Flicker-Free, Low Blue Light Hardware Solution
Low Blue Light Plus	Reduces high-energy blue-violet radiation while retaining true color fidelity.
Brightness Intelligence	B.I. Gen 2 detects ambient lighting to automatically adjust panel brightness.
ePaper Mode	Simulates clear e-reader formats for comfortable long-duration reading.
Software Utility	Fully compatible with BenQ Eye-CareU software control application.

Mechanical & Physical Properties

Bezel Design	4-sided ultra-thin modern bezel architecture
Ergonomics	Tilt adjustment: -5° to +20°
VESA Wall Mount	100 x 100 mm interface standard
Security	Kensington Lock Slot integrated
Dimensions (W x H x D)	With Stand: 615 x 451 x 182 mm Without Stand: 615 x 358 x 48 mm
Net Weight	With Stand: 4.13 kg Without Stand: 3.63 kg

Power & Eco-Certifications

Power Supply	Built-in internal power adapter (AC 100-240V)
Power Consumption	20W typical operating power draw
Standby Mode	≤ 0.5W power draw during sleep state
Sustainability Standards	ENERGY STAR 8.0, EPEAT Bronze, TCO Certified Displays 9