BenQ GW2790 Eye-Care Monitor

Technical Specifications Datasheet

Panel & Display Performance

Screen Size	27 inches (68.6 cm)
Panel Type	IPS (In-Plane Switching)
Native Resolution	Full HD 1920 x 1080 pixels
Maximum Refresh Rate	100 Hz
Response Time	5 ms GtG (Gray-to-Gray)
Brightness (Typical)	250 nits (cd/m²Format)
Contrast Ratio	1300:1
Color Gamut	99% sRGB
Color Depth	8-bit (16.7 million colors)
Viewing Angles	178° horizontal / 178° vertical
Aspect Ratio	16:9
Screen Coating	Anti-glare, Matte

Connectivity & Audio

Video Inputs	2 x HDMI 1.4, 1 x DisplayPort 1.2
Audio Outputs	1 x 3.5mm Headphone Jack
Built-in Speakers	2W x 2 stereo speakers

Design & Ergonomics

Tilt Adjustment	-5° down to +20° up
VESA Wall Mount	100 x 100 mm
Dimensions (with Stand)	449 x 612 x 182 mm
Weight	5.0 kg with stand (4.5 kg without stand)

Eye-Care & Advanced Features

Brightness Intelligence	Gen2 (B.I. Gen2) auto-adjusts display parameters based on ambient light.
Eye Protection	Flicker-Free technology, Low Blue Light Plus, and Eyesafe 2.0 certification.
Special Viewing Modes	Coding Mode (enhanced text clarity), ePaper Mode, and Color Weakness Mode.

Power & Sustainability

Power Consumption	25W normal, less than 0.5W standby
Certifications	Energy Star 8.0, TCO 9.0, EPEAT Bronze, and TÜV Rheinland Eye Comfort.