BenQ MOBIUZ EX271Q Gaming Monitor

Official Technical Specification Datasheet

1. Display & Panel Specifications

Feature	Technical Specification
Screen Size	27 inches (68.58 cm)
Panel Type	IPS (In-Plane Switching) LCD
Backlight Technology	W-LED backlight
Native Resolution	QHD 2560 x 1440 pixels
Aspect Ratio	16:9
Pixel Density	108 PPI (Pixels Per Inch)
Pixel Pitch	0.233 mm
Display Screen Coating	Matte, Anti-Glare
Viewing Angles	178° Horizontal / 178° Vertical

2. Performance & Video Sync

Feature	Technical Specification
Max Refresh Rate	180 Hz (via DisplayPort & USB-C Alt Mode)
HDMI Refresh Rate	144 Hz (via HDMI 2.0 ports)
Response Time	1ms GtG (Gray-to-Gray)
Native Contrast Ratio	1000:1
Brightness (Typical)	350 nits
HDR Peak Brightness	400 nits
HDR Certification	VESA DisplayHDR 400, HDR10
Variable Refresh Rate	AMD FreeSync Premium

3. Color Management & AI Technologies

Color Depth: 10-bit color depth processing displaying up to 1.07 Billion colors.

Color Gamut: Wide 95% DCI-P3 color space coverage.

AI Tuning Architecture: BenQ PixSoul Engine alongside AI Shadow Phage (real-time zone contrast calculation).

Visual Optimizers: Color Vibrance, Light Tuner, Black eQualizer, and Scenario Mapping.

Software Integration: Supports BenQ Color Shuttle for cloud preset profiles and Display QuicKit for firmware deployment.

4. Connectivity & I/O Interfaces

Port Type	Quantity & Version Features
Video Input 1	1x DisplayPort 1.4
Video Input 2	2x HDMI 2.0
USB Type-C (Alt Mode)	1x USB-C (DisplayPort Alt Mode, Data upstream, and 65W Power Delivery)
USB Upstream	1x USB Type-C Data-only upstream
USB Downstream	2x USB 3.2 Gen 1 (Type-A, 5 Gbps peripheral data hub)
Audio Interface	1x 3.5mm Headphone Jack (Audio-out)
Integrated Hardware	Built-in KVM Switch (shares a single keyboard/mouse between two systems)

5. Ergonomics, Audio, & Physical Dimensions

Audio System: Features an audio out path but lacks built-in speakers. Ships with an included Wireless Remote Control.

Height Adjustment: 100 mm travel range.

Swivel & Tilt: Swivel range of -15° to +15° (Left/Right); Tilt angle of -5° down to +15° up.

Pivot Rotation: 90° clockwise for full vertical orientation.

Wall Mounting: VESA 100 x 100 mm compliant mounting layout.

Net Weight: 7.2 kg with stand assembly attached (5.3 kg panel only).

Dimensions: 613.8 mm x 445.4 mm x 276.8 mm (with stand attached).

6. Power & Certification Standards

Power Supply Structure: Built-in internal power brick (no bulky external adapter block).

Voltage Threshold: AC 100-240V at 50/60 Hz universal frequency.

Power Consumption: 23.5 Watts typical average usage, 170 Watts maximum peak load (with 65W Type-C power delivery).

Eye Care & Compliance: TÜV Rheinland-certified Flicker-Free and Low Blue Light hardware; Brightness Intelligence Plus Gen 2 (B.I.+); Energy Star, EPEAT, and TCO certifications.