



Philips
QHD LCD Monitor with
Ultra Wide-Color

E Line

24 (23.8" / 60.5 cm diag.)
2560 x 1440 (QHD)

246E8FJAB

Vivid colors in an elegant design

Colors like you've never seen before. This brilliant wide view Quad HD display with Ultra Wide-Color offers crisp images with the richest and most vivid colors on an elegant display for a your best creations yet.

Elegant Design

- Elegant, slim design complements your home decor
- Narrow border display for seamless appearance

Superb Picture Quality

- SmartImage Lite for easy optimized image settings
- IPS LED wide view technology for image and color accuracy
- Less eye fatigue with Flicker-free technology
- Crystalclear images with Quad HD 2560 x 1440 pixels
- Ultra Wide-Color wider range of colors for a vivid picture
- LowBlue Mode for easy on-the-eyes productivity
- Effortlessly smooth gameplay with AMD FreeSync™ technology

Features designed for you

- DisplayPort connection for maximum visuals
- HDMI-ready for Full HD entertainment
- Built-in stereo speakers for multimedia

PHILIPS

Highlights

Ultra Wide-Color Technology



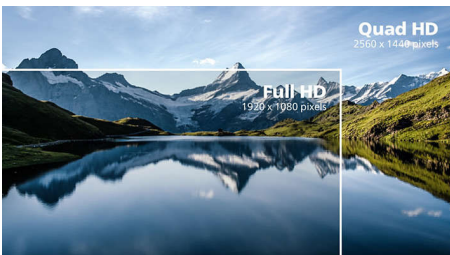
Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

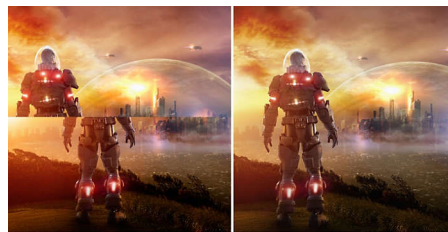
Crystalclear images



These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel

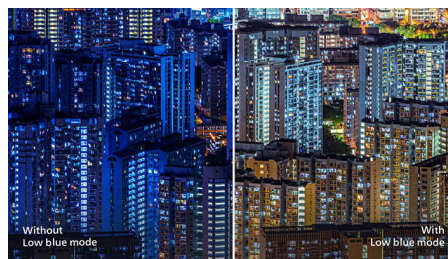
images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

Ultra-smooth gaming



Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid, artifact-free performance at virtually any framerate with AMD FreeSync™ technology, smooth quick refresh and ultra-fast response time.

LowBlue Mode



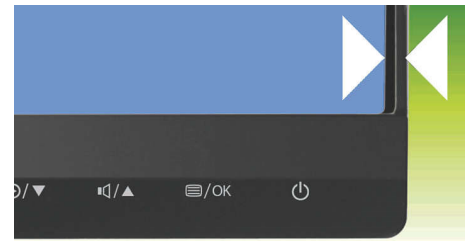
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

UltraNarrow Border



The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

Built-in stereo speakers



A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.



Specifications

Connectivity

- Signal Input: VGA (Analog), DisplayPort 1.2, HDMI 1.4
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Picture/Display

- Panel Size: 23.8 inch / 60.5 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.205 x 0.205 mm
- Optimum resolution: 2560 x 1440 @ 60Hz
- Brightness: 300 cd/m²
- Display colors: 16.7 M
- Color gamut (typical): NTSC 119%*, sRGB 133%*
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 4 ms (Gray to Gray)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage Lite
- Effective viewing area: 525.7 (H) x 295.7 (V)
- Scanning Frequency: 54 - 84 kHz (H) / 46 - 75 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 123 PPI
- LowBlue Mode
- AMD FreeSync™ technology

Convenience

- Built-in Speakers: 3 W x 2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: Power On/Off, Menu, Volume, Input, SmartImage lite
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock

Stand

- Tilt: -5/20 degree

Power

- Power supply: External, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 17.89 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

- Product with stand (mm): 541 x 421 x 176 mm
- Packaging in mm (WxHxD): 587 x 482 x 129 mm
- Product without stand (mm): 541 x 333 x 42 mm

Weight

- Product with packaging (kg): 5.67 kg
- Product with stand (kg): 3.79 kg
- Product without stand (kg): 3.29 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 50,000 (excluding backlight) hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability

- Environmental and energy: EnergyStar 7.0, RoHS, Mercury Free
- Recyclable packaging material: 100 %

Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, TCO Certified, WEEE, CECP, CU, EPA, RCM

Cabinet

- Color: Black & Gunmetal
- Finish: Glossy



Issue date 2024-03-24

Version: 5.0.1

EAN: 87 12581 74520 2

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

* Response time value equal to SmartResponse

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* NTSC Area based on CIE1976

* sRGB Area based on CIE1931