

Philips Brilliance
4K Ultra HD LCD monitor

P Line

24 (23.8" / 60.5 cm diag.)
3840 x 2160 (4K UHD)

242P6VPJKEB



Crisp 4K pictures for when it matters

this is brilliance

See a new level of detail and clarity with the new Philips UltraClear 4K display! Ultra HD. Four times clearer than Full HD, colors become richer, details become clearer. Experience Ultra High Definition at an ultra-mainstream price.

Sharpest most brilliant picture yet

- UltraClear 4K UHD (3840x2160) resolution for precision
- 1.074 billion colors for smooth color gradations and detail
- Less eye fatigue with Flicker-free technology
- IPS technology for full colors and wide viewing angles
- Ultra Wide-Color wider range of colors for a vivid picture

Features that matter to you

- MHL technology for enjoying mobile content on big screen
- MultiView enables simultaneous dual connection and view
- USB 3.0 Hub for convenient access and fast charging
- Webcam with mic to connect and collaborate
- SmartErgoBase enables people-friendly ergonomic adjustments
- HDMI for quick digital connection

Sustainable Eco-design

- PowerSensor saves up to 80% energy costs

PHILIPS

Highlights

UltraClear 4K UHD Resolution



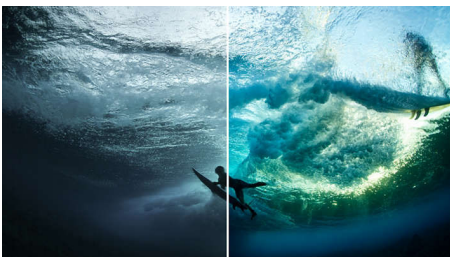
These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

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 - even in 90 degree Pivot mode! 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.

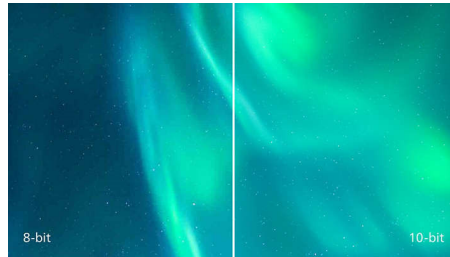
Ultra Wide-Color Technology



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.

10-bit colors



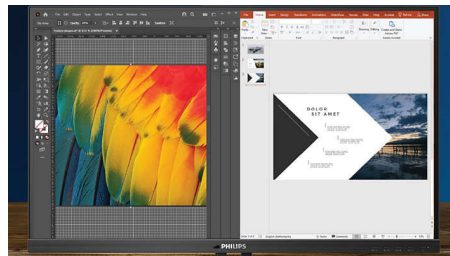
The 10-bit display delivers rich color depth with 1.074 billion colors and 12-bit internal processing for re-creating smooth, natural colors without gradations and color banding.

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.

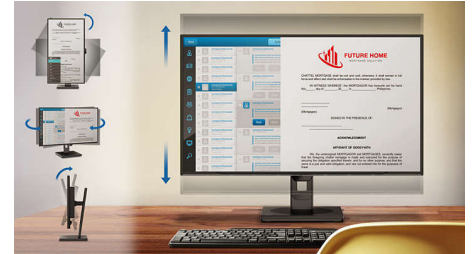
MultiView technology



With the ultra-high resolution Philips MultiView display you can now experience a world of connectivity. MultiView enables active

dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multi-tasking.

SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

Webcam

Embedded webcam and microphone enables you to view and communicate with your colleagues and clients. This simple solution allows you to collaborate and share, saving precious time and travel related costs.



Specifications

Connectivity

- Signal Input: VGA (Analog), DVI-Dual Link (digital, HDCP), DisplayPort x 1, HDMI (2.0) - MHL (2.0) x 1
- USB: USB 3.0x3 (1 w/fast charging)*
- 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: 0.2715 x 0.2715 mm
- Optimum resolution: 3840 x 2160 @ 60Hz
- Brightness: 300 cd/m²
- Brightness uniformity: 97% ~ 102%
- Display colors: 1.07G (8bits + FRC)
- Color gamut (typical): NTSC 95%
- Contrast ratio (typical): 1,000:1
- SmartContrast: 50,000,000 :1
- Response time (typical): 5 ms (Gray to Gray)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB
- MHL: 1080P @ 60Hz
- Delta E: < 3
- Display Screen Coating: Anti-Glare, 3H, Haze 25%

Convenience

- Built-in Speakers: 2 W x 2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: SmartImage, Multiview, User, Menu, Power On/Off
- 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, VESA mount (100x100mm)
- Control software: SmartControl
- MultiView: PIP/PBP mode, 2x devices
- Built-in webcam: 2.0 megapixel camera with microphone and LED indicator

Stand

- Height adjustment: 130 mm

- Pivot: 90 degree
- Swivel: -175/+175 degree
- Tilt: -5/20 degree

Power

- ECO mode: 21.9 W (typ.)
- Power supply: External, 100-240VAC, 50-60Hz
- Off mode: < 0.5 W (typ.)
- On mode: 26.8 W (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): 563 x 523 x 257 mm
- Packaging in mm (WxHxD): 619 x 525 x 184 mm
- Product without stand (mm): 563 x 363 x 53 mm

Weight

- Product with packaging (kg): 9.65 kg
- Product with stand (kg): 6.99 kg
- Product without stand (kg): 4.63 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: PowerSensor, LightSensor, EnergyStar 7.0, TCO Certified Edge, RoHS
- Post consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards

- Regulatory Approvals: CE Mark, TCO Certified, WEEE, RCM, CECP, VCCI, ICES-003, EPA

Cabinet

- Finish: Texture
- Foot: Black
- Front bezel: Black
- Rear cover: Black



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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work
* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.
* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality
* For complete list of MHL-enabled products refer to www.mhlconsortium.org
* Fast charging complies with USB BC 1.2 standard
* Response time value equal to SmartResponse