Philips Brilliance
4K Ultra HD LCD monitor

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

241P6VPJKEB

Precise detail and clarity

with UltraClear 4K UHD resolution

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

Sharpest, most brilliant picture yet

- UltraClear 4K UHD (3840 x 2160) resolution for precision
- 1.074 billion colours for smooth colour gradations and detail
- Less eye fatigue with Flicker-Free technology
- AH-IPS display for brilliant images with vivid colours
- 99% sRGB colour standard for true-to-life colour

Features that matter to you

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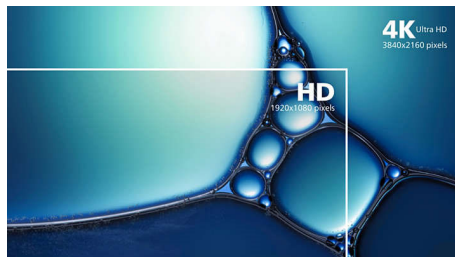- HDMI for quick digital connection

Sustainable Eco-design

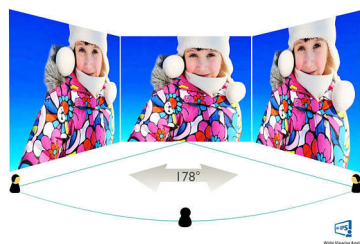- PowerSensor saves up to 80% energy costs

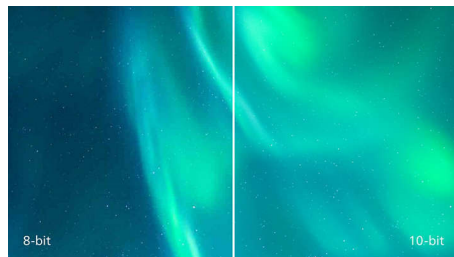# PHILIPS

Highlights

UltraClear 4K UHD Resolution

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

AH-IPS technology

This latest Philips display uses advanced AH-IPS panels, resulting in superior colour reproduction, response time and power consumption. Unlike standard TN panels, AH-IPS panels show consistent colour even at 178-degree wide angles and in pivot mode. With remarkable performance, AH-IPS is best suited for applications demanding colour accuracy and consistent brightness at all times, such as photo retouching, graphics applications and web browsing.

10-bit colours

The 10-bit display delivers rich colour depth with 1.074 billion colours and 12-bit internal processing for recreating smooth, natural colours without gradations and colour banding.

Full 99% sRGB Colour

Experience vivid and true-to-life colours. With over 99% coverage of sRGB colour standard, you can have confidence the colours you see on the display are accurate and true-to-life.
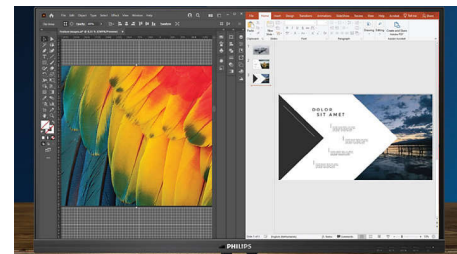
Flicker-Free technology

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 multitasking.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

4K Ultra HD | Wide Viewing Angle | 99% sRGB Color | Flicker-free | Multiview | SmartErgo Base | PowerSensor | Webcam | MHL Mobile High-Definition Link

Specifications

Connectivity
- Signal Input: VGA (Analogue), DVI-Dual Link (digital, HDCP), DisplayPort x 1, HDMI (2.0) - MHL (2.0) x 1
- USB: USB 3.0 x 3 (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: AH-IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.137 x 0.137 mm
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 300 cd/m²
- Brightness uniformity: 93–105%
- Display colours: 1.07G (8bits + FRC)
- Colour gamut (typical): 99% sRGB
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Response time (typical): 5 ms (Grey to Grey)*
- 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)
- MHL: 1080P @ 60 Hz
- Delta E: <3

Convenience
- Built-in Speakers: 2 W x 2
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8.1 / 8 / 7
- User convenience: SmartImage, Multi-view, 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 (100 x 100 mm)
- Control software: SmartControl Premium
- MultiView: PIP/PBP mode, 2 x 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: 20.6 W (typ.)
- Power supply: External, 100–240 VAC, 50–60 Hz
- Off mode: < 0.5 W (typ.)
- On mode: 30.11 W (EnergyStar 6.0 test method)
- Standby mode: < 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)

Dimensions
- Product with stand (mm): 563 x 511 x 257 mm
- Packaging in mm (W x H x D): 619 x 525 x 184 mm
- Product without stand (mm): 563 x 351 x 53 mm

Weight
- Product with packaging (kg): 9.63 kg
- Product with stand (kg): 5.85 kg
- Product without stand (kg): 3.36 kg

Operating conditions
- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- 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 6.0, TCO Certified Edge, RoHS
- Post-consumer recycled plastic: 65%
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TUV Ergo, TUV/GS, EPA, PSB, WEEE, UKRAINIAN, CECP, PSE, KC, ICES-003, E-standby, J-MOSS, RCM

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

What's in the box?
- Cables: VGA, DVI, DP, Audio, USB, MHL, Power
- Monitor with stand
- User Documentation

* This Philips display is MHL-certified. However, if your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for instructions. The policy of your device manufacturer may require you to purchase its brand-specific MHL cable or adapter in order for it 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 a complete list of MHL-enabled products, refer to www.mhlconsortium.org
* "AH-IPS" word mark/trademark and related patents on technologies belong to their respective owners.
* Fast charging through BC 1.2 standard
* Response time value equal to SmartResponse