Philips Brilliance
4K UHD LCD monitor
with PowerSensor

P Line
27" (68.5 cm)
3840 x 2160 (4K UHD)

Brilliance

272P7VPTKEB





Crisp views, efficient performance

this is brilliance

UltraClear 4K UHD, one billion colours and IPS technology all come together for critical details for critical work.

Brilliant performance
- UltraClear 4K UHD (3840 x 2160) resolution for precision
- 1.074 billion colours for smooth colour gradations and detail
- IPS technology for full colours and wide viewing angles
- Narrow-border display for a seamless appearance

Designed for comfortable productivity
- LowBlue Mode for easy-on-the-eyes productivity
- Less eye fatigue with Flicker-Free technology

Features for the way you work
- Webcam pops up when you need it; secures down when you don't
- Built-in stereo speakers for multimedia
- DisplayPort-out for connecting additional displays
- SmartConnect with DisplayPort, HDMI and VGA connections

Sustainable Eco-design
- PowerSensor saves up to 80% energy costs

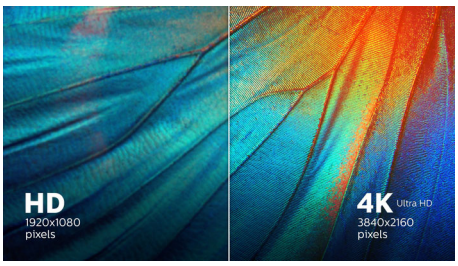
PHILIPS

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P Line 27" (68.5 cm), 3840 x 2160 (4K UHD)

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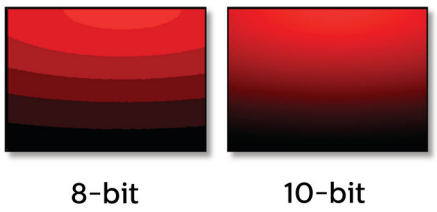
Highlights

UltraClear 4K UHD Resolution



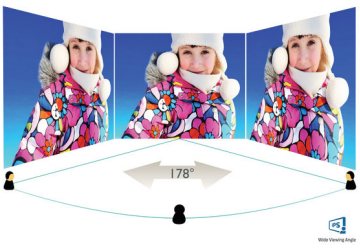
These Philips displays utilise high-performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are a demanding professional requiring extremely detailed images for CAD solutions, a user of 3D graphics applications or a financial wizard working on huge spreadsheets,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

10-bit colours



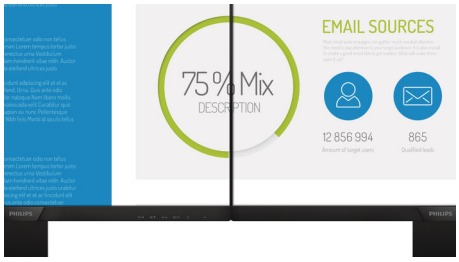
The 10-bit display delivers rich colour depth with 1.074 billion colours and 12-bit internal processing for recreating smooth, natural colours without gradations and colour banding.

IPS technology



IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, 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 colours, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

Ultra-narrow 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 setups like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

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, the 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.

Pop-up webcam



Webcams are great for connecting with others and collaborating on that important project. Sometimes, though, you don't want a webcam looking down on your desk. Our ingenious new pop-up webcam design pops up when it's time for meetings and for security tucks away nicely when you are not using it.

Built-in stereo speakers

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

DisplayPort-out

With DisplayPort-out you can connect multiple high-resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to maintain a clean desktop without the hassle of too many wires.

SmartConnect for 4K

These Philips displays come equipped with the most advanced multi connections like VGA, Display Port and universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. New DisplayPort and HDMI 2.0 connection now enables full 4K resolution at 60 Hz for smooth visuals. USB connections ensure that you can have super speed data transfers with global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

4K Ultra HD
Wide Viewing Angle
Ultra Narrow Bezel
PowerSensor
LightSensor
LowBlue Mode
Flicker-free
SmartErgo Base
Pop-up Webcam

4K UHD LCD monitor with PowerSensor
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Specifications

Picture/Display
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 27 inch / 68.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 596.7 (H) x 335.7 (V)
- Aspect ratio: 16:9
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Pixel Density: 163 PPI
- Response time (typical): 5 ms (Grey to Grey)*
- Brightness: 350 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 80,000,000:1
- Pixel pitch: 0.155 x 0.155 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colours: Colour support 1.07 billion colours
- Colour gamut (typical): NTSC 103*, sRGB 122%*
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- MHL: 1080p @ 60 Hz
- Brightness uniformity: 97%–102%
- Delta E: < 2
- sRGB
- LowBlue Mode

Connectivity
- Signal Input: VGA (Analogue), DisplayPort 1.2, mini DisplayPort 1.2 x 1, HDMI (2.0) - MHL (2.0) x 1
- Signal Output: DisplayPort out
- 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

Convenience
- Built-in Speakers: 2 W x 2
- Built-in webcam: 2.0 megapixel FHD camera with microphone and LED indicator
- MultiView: PIP/PBP mode, 2 x devices
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- Control software: SmartControl
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100 x 100 mm)
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand
- Height adjustment: 150 mm
- Pivot: 90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

Power
- ECO mode: 28 W (typ.)
- On mode: 31.9 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: 0.3 W (typ.)
- Off mode: Zero watts with Zero switch
- Energy Label Class: B
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: 100–240 VAC, 50–60 Hz, Built-in

Dimensions
- Product with stand (max height): 614 x 548 x 257 mm
- Product without stand (mm): 614 x 372 x 56 mm
- Packaging in mm (W x H x D): 690 x 458 x 252 mm

Weight
- Product with stand (kg): 7.86 kg
- Product without stand (kg): 5.44 kg
- Product with packaging (kg): 10.62 kg

Operating conditions
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20–80% %
- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- MTBF: 70,000 hrs (excluded backlight) hour(s)

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

Compliance and standards
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TUV Ergo, TUV/GS, EPA, WEEE, ICES-003, UKRAINIAN

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

What's in the box?
- Monitor with stand
- Cables: D-Sub cable, HDMI cable, DP cable, mini DP cable, USB cable, Audio cable, Power cable
- User Documentation

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse
* NTSC Area based on CIE 1976
* sRGB Area based on CIE 1931
* 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
* Fast charging complies with USB BC 1.2 standard
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* The monitor may look different from feature images.

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