Philips Brilliance
4K UHD LCD monitor
with PowerSensor

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

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

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

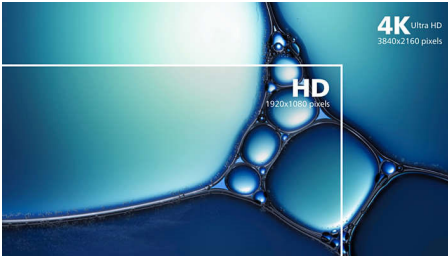### Sustainable Eco-design
- PowerSensor saves up to 80% energy costs

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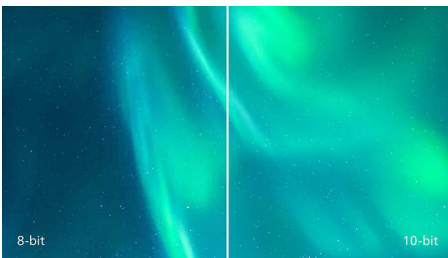- LowBlue Mode for easy-on-the-eyes productivity

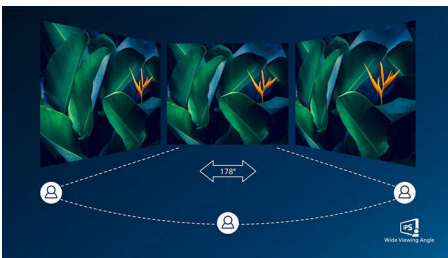**PHILIPS**

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.

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.
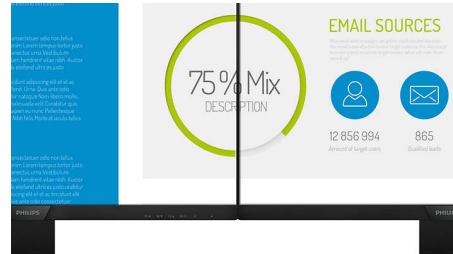
IPS technology

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.

4K Ultra HD | Wide Viewing Angle | Ultra Narrow Bezel | LowBlue Mode | Flicker-free | Pop-up Webcam | Built-in Speaker | PowerSensor | SmartImage

Specifications

Connectivity

- Signal Input: VGA (Analogue), DisplayPort 1.2, mini DisplayPort 1.2 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
- Signal Output: DisplayPort out

Picture/Display

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

Convenience

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

Stand

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

Power

- ECO mode: 28 W (typ.)
- Power supply: 100–240 VAC, 50–60 Hz, Built-in
- Off mode: Zero watts with Zero switch
- On mode: 22.43 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Energy Label Class: G

Dimensions

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

Weight

- Product with packaging (kg): 10.62 kg
- Product with stand (kg): 7.86 kg
- Product without stand (kg): 5.44 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
- MTBF: 70,000 hrs (excluded backlight) hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability

- Environmental and energy: PowerSensor, LightSensor, EnergyStar 8.0, EPEAT*, 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: CB, EPA, cETLus, FCC Class B, ICES-003, CE Mark, TUV/GS, TUV Ergo, SEMKO, CU-EAC, WEEE, UKRAINIAN

Cabinet

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

What's in the box?

- Cables: D-Sub cable, HDMI cable, DP cable, mini DP cable, USB cable, Audio cable, Power cable
- Monitor with stand
- User Documentation

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* "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 CIE1931
* 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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