

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 colors IPS technology all come together for critical details for critical work.

## Brilliant performance

- 1.074 billion colors for smooth color gradations and detail
- UltraClear 4K UHD (3840x2160) resolution for precision
- IPS technology for full colors 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

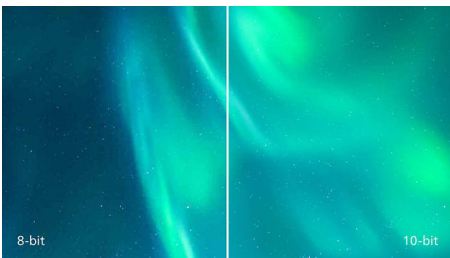
# Highlights

## UltraClear 4K UHD Resolution



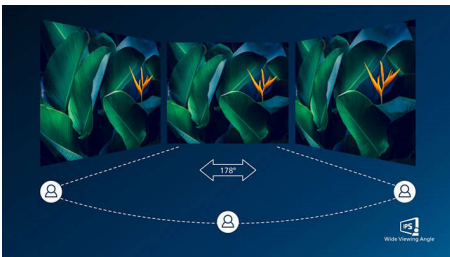
These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips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

## 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.

## 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.

## 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.

## 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.

## 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. It can 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 create a clean desktop without the hassle of too many wires all over.



# Specifications

## Connectivity

- Signal Input: VGA (Analog), DisplayPort 1.2, mini DisplayPort 1.2 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
- 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 @ 60Hz
- Brightness: 350 cd/m<sup>2</sup>
- Brightness uniformity: 97% ~ 102%
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 103\*, sRGB 122%\*
- Contrast ratio (typical): 1,000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 5 ms (Gray to Gray)\*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 596.7 (H) x 335.7 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB
- MHL: 1080p @ 60Hz
- 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 & 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 (100x100mm)
- Control software: SmartControl
- MultiView: PIP/PBP mode, 2x 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: 100-240VAC, 50-60Hz, Built-in
- Off mode: Zero watts with Zero switch
- On mode: 22.43 W (typ.) (EnergyStar test method)
- Standby mode: 0.3W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Packaging in mm (WxHxD): 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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, PSB

## Cabinet

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



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or their respective owners.

[www.philips.com](http://www.philips.com)

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

\* Response time value equal to SmartResponse

\* NTSC Area based on CIE1976

\* sRGB Area based on CIE1931

\* 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](http://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.