PHILIPS

QHD LCD Monitor with PowerSensor

Brilliance

B Line

27" (68.6 cm)

2560 x 1440 (QHD)

272B7QPTKEB

Crisp views, efficient performance

with PowerSensor

The Philips PowerSensor display using 85% post consumer recycled plastics and PVC, BFR-free housing is ideal for eco-friendly productivity

Brilliant performance
- Crystal clear images with Quad HD 2560 x 1440 pixels
- IPS technology for full colours and wide viewing angles
- Narrow-border display for a seamless appearance

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

Sustainable Eco-design
- PowerSensor saves up to 70% energy costs

Designed for comfortable productivity
- SmartErgoBase enables user-friendly ergonomic adjustments
- Less eye fatigue with Flicker-Free technology
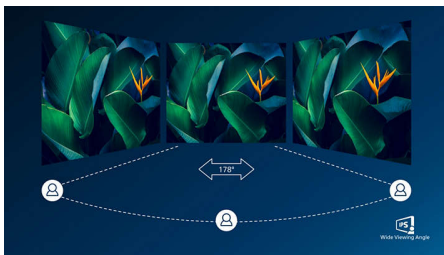- LowBlue Mode for easy-on-the-eyes productivity
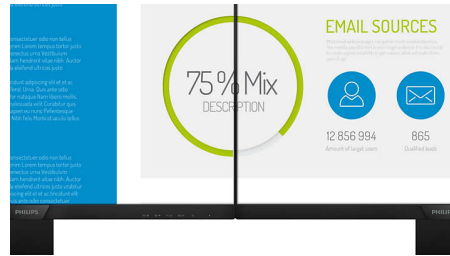
Highlights

CrystalClear images

These Philips screens deliver Crystal Clear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high-performance panels with a high-density pixel count, enabled by high bandwidth sources like USB-C, Displayport and HDMI, these new displays will make your images and graphics come alive. Whether you are a demanding professional who requires extremely detailed information for CAD-CAM solutions and uses 3D graphic applications, or a financial wizard working on huge spreadsheets, Philips displays will give you Crystal Clear images.

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.
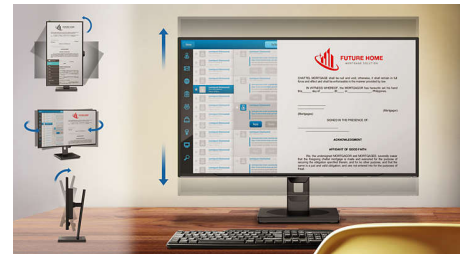
Flicker-Free technology

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.

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.

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.

Quad HD · Wide Viewing Angle · Ultra Narrow Bezel · LowBlue Mode · Flicker-free · SmartErgo Base · Pop-up Webcam · PowerSensor
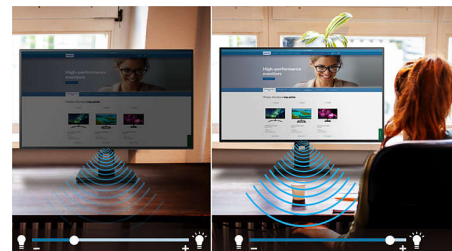
Highlights

DisplayPort-out

DisplayPort

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

With a plethora of connectivity, these Philips displays come equipped with multiple connections like VGA, Display Port and universal HDMI connector, enabling you to enjoy high-resolution uncompressed video and audio content. USB connections ensure that you can have super-speed data transfers while having 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!

PowerSensor

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 70 percent and prolonging monitor life.

IPS
Wide Viewing Angle

Brilliance

QHD LCD Monitor with PowerSensor

Specifications

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: 0.233 x 0.233 mm
Optimum resolution: 2560 x 1440 @ 60Hz
Brightness: 350 cd/m²
Display colours: 16.7M (True 8 bit)
Contrast ratio (typical): 1000:1
SmartContrast: 20,000,000:1
Response time (typical): 5 ms (Grey to Grey)*
Viewing angle: 178º (H)/178º (V), @ C/R > 10
Picture enhancement: SmartImage
Effective viewing area: 596.7 (H) x 335.7 (V)
Scanning Frequency: 30 - 99 kHz (H) / 50 - 76 Hz (V)
sRGB
Flicker-free
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%

Connectivity

Signal Input: VGA (Analogue), DisplayPort 1.2, mini DisplayPort 1.2 x 1, HDMI 1.4
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

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, 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
Built-in webcam: Pop-up 2.0 megapixel FHD camera with microphone and LED indictor

Stand

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

Power

ECO mode: 22.3 W (typ.)
Power supply: Built-in, 100–240 VAC, 50–60 Hz
Off mode: Zero watts with Zero switch
On mode: 19.68 W (typ.) (EnergyStar test method)
Standby mode: < 0.3 W (typ.)
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: F

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
Relative humidity: 20%-80 %
Temperature range (storage): -20°C to 60 °C
MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

Environmental and energy: PowerSensor, EnergyStar 8.0, EPEAT*, TCO Certified Edge, RoHS, WEEE
Post-consumer recycled plastic: 85%
Recyclable packaging material: 100 %
Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards

Regulatory Approvals: CE Mark, FCC Class B, cETLus, CU-EAC, TUV Ergo, TUV/GS, UKRAINIAN, ICES-003

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

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* Fast charging complies with USB BC 1.2 standard
* Response time value equal to SmartResponse