

Philips Monitor
LCD monitor with
PowerSensor

5000 series

27" (68.6 cm)
2560 x 1440 (QHD)

27B1N5500B



Crystal-clear vision to get more done

Get your best work done with this Philips monitor. Crystal-clear QHD gives the space and clarity for your work. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

Excellent performance

- 100Hz Fast Refresh: for ultra-smooth images
- IPS technology for full colors and wide viewing angles
- SmartImage presets for easy optimized image settings
- Crystalclear images with Quad HD 2560 x 1440 pixels

Designed for the way you work

- SmartErgoBase enables people-friendly ergonomic adjustments
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- TUV Eye Comfort certified to reduce eye fatigue

Designed for sustainability

- LightSensor for the perfect brightness with minimal power
- PowerSensor saves up to 70% energy costs
- Designed to meet environmental standards

PHILIPS

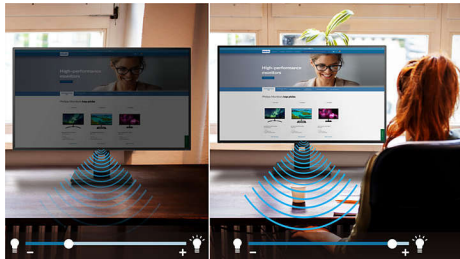
LCD monitor with PowerSensor
5000 series 27" (68.6 cm), 2560 x 1440 (QHD)

Highlights

100Hz Fast refresh

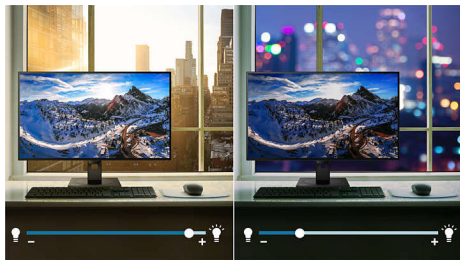
This Philips display refreshes the screen image up to 100 times per second which makes this monitor much faster than a standard display. It translates into super smooth actions on screen, guaranteeing the immediate visual benefits.

PowerSensor



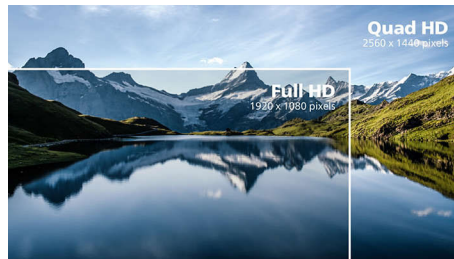
PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 70 percent and prolonging monitor life.

LightSensor



LightSensor uses a smart sensor to adjust the picture brightness depending on the room light conditions for the perfect picture with minimal power usage.

Crystalclear images



These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast,

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color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

TUV Rheinland Eye Comfort



Philips display meet TUV Rheinland Eye Comfort standard to prevent eye strain caused by prolonged computer use. With TUV Eye Comfort certification, Philips displays ensure flicker-free, low blue mode, no disturbing reflections, wide viewing angle and less reduction of image quality from different angles and ergonomic stand designs for ideal viewing experience. Keep your eyes healthy and boost work productivity.

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.



Specifications

Picture/Display

- Panel Size: 27 inch / 68.6 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.2331 x 0.2331 mm
- Brightness: 350 cd/m²
- Display colors: 16.7 M (8 bits)
- Color gamut (typical): NTSC 108%*, sRGB 97.9%*
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Response time (typical): 4 ms (Gray to Gray)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Maximum resolution: 2560 x 1440 @ 100Hz*
- Effective viewing area: 596.736 (H) x 335.664 (V)
- Scanning Frequency: 30 - 150 kHz (H) / 48 - 100 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 109 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- EasyRead
- Adaptive sync

Connectivity

- Signal Input: DisplayPort 1.2, HDMI 2.0 x 2
- Sync Input: Separate Sync
- Audio (In/Out): Audio out
- HDCP: HDCP 1.4/ 2.2 (DP/HDMI)

Convenience

- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, French, Finnish, German, Greek, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Control software: SmartControl

Stand

- Height adjustment: 150 mm
- Pivot: +/- 90 degree

- Swivel: +/- 180 degree
- Tilt: -5 ~ 35 degree

Power

- ECO mode: 17.7 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 22.6 W (typ.)(EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

- Packaging in mm (WxHxD): 700 x 456 x 215 mm
- Product without stand (mm): 613 x 366 x 51 mm
- Product with stand(max height): 613 x 537 x 205 mm

Weight

- Product with packaging (kg): 9.4 kg
- Product with stand (kg): 5.94 kg
- Product without stand (kg): 4.3 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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, LightSensor, EnergyStar 8.0, RoHS, EPEAT*
- Post consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC / BFR free housing

Compliance and standards

- Regulatory Approvals: CB, FCC Class B, CE Mark, CCC, CECP, CEL, ICES-003, TUV Eye Comfort certified, EPA

Cabinet

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



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UPC: 6 09585 25706 1

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* The maximum resolution works for either HDMI input or DP input.
* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Coverage based on CIE1931
* The monitor may look different from feature images.
* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.