

# PHILIPS

## LCD monitor

### Monitor

B Line

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)

241B8QJEB



## Clear image, efficient performance

for maximum productivity

Get your best work done with the Philips 24" Full HD monitor. Crisp and vivid Full HD gives you the space and clarity to see your work. Features like height-adjustment, Flicker-free and LowBlue mode make work easy-on-the-eyes.

### Brilliant performance

- SmartImage presets for easy optimized image settings
- IPS technology for full colors and wide viewing angles
- 16:9 Full HD display for crisp detailed images

### Features for the way you work

- Built-in stereo speakers for multimedia
- SmartConnect with DisplayPort, HDMI and VGA connections
- USB 3.0 enables fast data transfers and smart phone charging

### Sustainable Eco-design

- Designed to meet environmental standards

### Designed for comfortable productivity

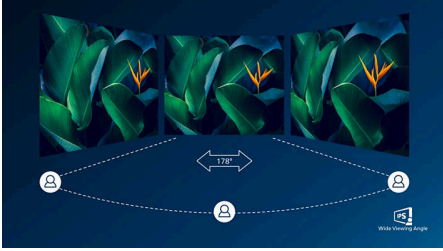
- SmartErgoBase enables people-friendly ergonomic adjustments
- EasyRead mode for a paper-like reading experience
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity

# Monitor

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## Highlights

### 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.

### 16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

### 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, 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!

### 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.

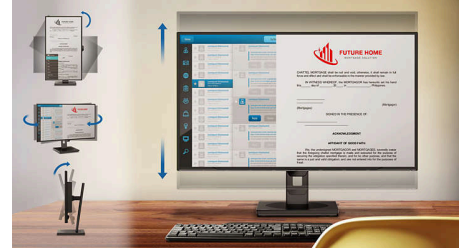
### Flicker-free technology



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.

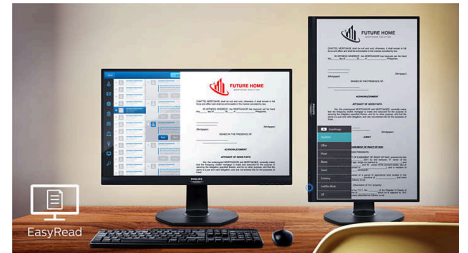
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### SmartErgoBase



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.

### EasyRead mode



EasyRead mode for a paper-like reading experience

### 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.



## Highlights

### USB 3.0 super speed

Super Speed USB 3.0 deploys 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer time saving you time and money. With more bandwidth, super speed transfer rates, better power management and superior overall performance, USB 3.0 sets the global standard allowing you to use the large capacity storage devices. Sync-N-Go technology ensures you don't have to wait anymore for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backward compatible.

### SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like VGA, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB connections ensures 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!

### Designed for sustainability

Designed for sustainability, and reduced operating costs, this monitor meets environmental standards. Such as: ENERGY STAR, EPEAT, TCO Certified. For more information on certification, please visit: ENERGY STAR: <https://www.energystar.gov/> EPEAT: <https://www.epeat.net/> TCO Certified: <https://tcocertified.com/>



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## Specifications

### Picture/Display

**Panel Size:** 23.8 inch / 60.5 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** IPS technology  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.275 x 0.275 mm  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colors:** 16.7 M  
**Color gamut (typical):** NTSC 89.9%\*, sRGB 103.8%\*  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** 50,000,000:1  
**Response time (typical):** 5 ms (Gray to Gray)\*  
**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 1920 x 1080 @ 75Hz\*  
**Effective viewing area:** 527 (H) x 296.5 (V)  
**Scanning Frequency:** 30 - 85 kHz (H) / 48 - 75 Hz (V)  
sRGB  
Flicker-free  
Pixel Density: 93 PPI  
LowBlue Mode  
Display Screen Coating: Anti-Glare, 3H, Haze 25%  
EasyRead  
Adaptive sync (VRR)

### Connectivity

**Signal Input:** VGA (Analog), DVI-D (digital), HDCP, DisplayPort 1.2, HDMI 1.4  
**USB:** USB 3.0x2 (1 w/fast charging)\*, USB 2.0 x 2  
**Sync Input:** Separate Sync, Sync on Green  
**Audio (In/Out):** PC audio-in, Headphone out

### 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, Brightness, 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 (100x100mm)  
**Control software:** SmartControl

### Stand

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

### Power

**ECO mode:** 10 W (typ.)  
**Power supply:** Built-in, 100-240VAC, 50-60Hz  
**Off mode:** Zero watts with Zero switch  
**On mode:** 14.21 W (typ.) (EnergyStar test method)  
**Standby mode:** < 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (blinking)

### Dimensions

**Packaging in mm (WxHxD):** 600 x 468 x 198 mm  
**Product without stand (mm):** 540 x 323 x 50 mm  
**Packaging in inch (WxHxD):** 23.6 x 18.4 x 7.8 inch  
**Product without stand in inch:** 21.3 x 12.7 x 2.0 inch  
**Product with stand(max height):** 540 x 508 x 206 mm  
**Product with stand(max height):** 21.3 x 20.0 x 8.1 inch

### Weight

**Product with packaging (kg):** 7.17 kg  
**Product with stand (kg):** 4.97 kg  
**Product with packaging (lb):** 15.77 lb  
**Product with stand (lb):** 10.93 lb  
**Product without stand (kg):** 3.37 kg  
**Product without stand (lb):** 7.41 lb

### Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
**Temperature range (operation):** 0°C to 40°C °C  
**Relative humidity:** 20%-80 %  
**Temperature range (storage):** -20°C to 60°C °C  
**MTBF (demonstrated):** 70,000 hrs (excluded backlight)

### Sustainability

**Environmental and energy:** 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, CB, FCC Class B, cETLus

### Cabinet

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

### What's in the box?

**Cables:** HDMI cable, DP cable, USB cable, Power cable  
**Monitor with stand**  
**User Documentation**

