

# PHILIPS

LCD monitor

S Line

23 (22.5" / 57.2 cm diag.)

WUXGA (1920 x 1200)

230S8QHSB



## Reliable and essential for business efficiency

Our S Line monitor delivers business efficiency. The 16:10 ratio display gives you extra vertical height for increased productivity, while flicker-free and LowBlue mode make work easy-on-the eyes.

### Great performance

- IPS LED wide view technology for image and color accuracy
- 16:10 aspect ratio for more vertical screen height
- SmartImage presets for easy optimized image settings
- HDMI ensures universal digital connectivity

### Perfectly designed for your space

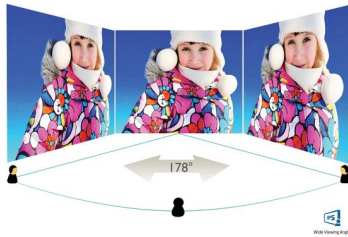
- VESA mount allows for flexibility
- Screen tilts to your ideal, individualized viewing angle
- Narrow border display for seamless appearance

### Designed for comfortable productivity

- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- EasyRead mode for a paper-like reading experience

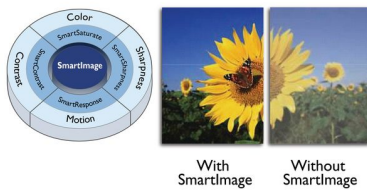
# Highlights

## 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. 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.

## SmartImage



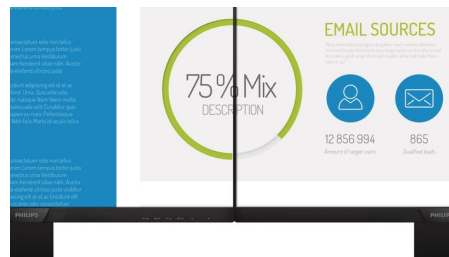
SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based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

## HDMI Ready



An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

## 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



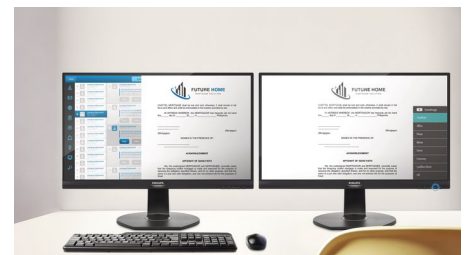
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

## 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.

## EasyRead mode



EasyRead mode for a paper-like reading experience



# Specifications

## Picture/Display

**LCD panel type:** IPS technology  
**Backlight type:** W-LED system  
**Panel Size:** 22.5 inch / 57.2 cm  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**Effective viewing area:** 488.16 (H) x 297.18 (V)  
**Aspect ratio:** 16:10  
**Optimum resolution:** 1920 x 1200 @ 60Hz  
**Pixel Density:** 101 PPI  
**Response time (typical):** 5 ms (Gray to Gray)\*  
**Brightness:** 250 cd/m<sup>2</sup>  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** 50,000,000:1  
**Pixel pitch:** 0.254 x 0.254 mm  
**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10  
**Flicker-free**  
**Picture enhancement:** SmartImage  
**Color gamut (typical):** NTSC 85%\*, sRGB101.8%\*  
**Display colors:** 16.7M  
**Scanning Frequency:** 30 - 83 kHz (H) / 56 - 76 Hz (V)  
**sRGB**  
**EasyRead**  
**LowBlue Mode**

## Connectivity

**Signal Input:** VGA (Analog ), HDMI 1.4  
**Sync Input:** Separate Sync, Sync on Green  
**Audio (In/Out):** Audio out

## Convenience

**User convenience:** SmartImage, Input, Brightness, Menu, Power On/Off  
**Control software:** SmartControl  
**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)  
**Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

**Tilt:** -5/25 degree

## Power

**ECO mode:** 9.4 W (typ.)  
**On mode:** 14.2 W (typ.) (EnergyStar 7.0 test method)  
**Standby mode:** < 0.3 W (typ.)  
**Off mode:** < 0.3 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)  
**Power supply:** Built-in, 100-240VAC, 50-60Hz

## Dimensions

**Product with stand(max height):** 499 x 414 x 208 mm  
**Product without stand (mm):** 499 x 323 x

42 mm

**Packaging in mm (WxHxD):** 559 x 481 x 136 mm

## Weight

**Product with stand (kg):** 3.00 kg  
**Product without stand (kg):** 2.58 kg  
**Product with packaging (kg):** 4.53 kg

## Operating conditions

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

## Sustainability

**Environmental and energy:** EnergyStar 7.0, RoHS, TCO certified, WEEE  
**Recyclable packaging material:** 100 %  
**Recycled material:** 25%  
**Specific Substances:** PVC / BFR free housing, Mercury free, Lead free

## Compliance and standards

**Regulatory Approvals:** CCC, CECP, CEL

## Cabinet

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

