

# PHILIPS

## LCD monitor

S Line

22 (21.5"/54.6 cm diag.)

1920 x 1080 (Full HD)

221S8LDAB



## Reliable and essential

for business efficiency

Our S Line monitor delivers business efficiency. Features like Flicker-free and LowBlue mode make work easy on the eyes and increase your productivity.

### **Brilliant performance**

- SmartImage pre-sets for easy optimised image settings
- 16:9 Full HD display for crisp, detailed images

### **Features for the way you work**

- Built-in stereo speakers for multimedia
- HDMI ensures universal digital connectivity

### **Sustainable Eco-design**

- PVC-BFR free housing
- 100% recyclable packaging

### **Designed for comfortable productivity**

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

# Highlights

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and optimises your 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 optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time at the touch of a single button!

## 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 colours, expect a true-to-life picture.

## 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



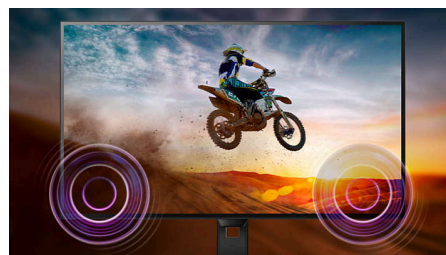
Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## 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. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

## HDMI Ready



An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. An HDMI cable enables high-quality digital video and audio to be 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).

## Sustainability

Philips is committed to using sustainable, eco-friendly materials across its monitor range. All body plastic parts, metal chassis parts and packing materials use 100% recyclable materials. In selected models, we utilise  $\geq 65\%$  Post-Consumer Recycled plastics, ensuring reduction in waste. Strict adherence to RoHS standards ensures substantial reduction or elimination of toxic substances like Lead and Mercury. Our display housing is made up of PVC/BFR-free material. For more information, please visit Philips @ <http://www.asimpleswitch.com/global/> to learn more.

## PVC-BFR free housing

This Philips monitor housing is free from brominated flame retardant and polyvinyl chloride (PVC-BFR free)



# Specifications

## Picture/Display

**Panel Size:** 21.5 inch/54.6 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** TFT-LCD (TN)  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.248 x 0.248 mm  
**Optimum resolution:** 1920 x 1080 @ 60 Hz  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colours:** 16.7 M  
**Colour gamut (typical):** NTSC 72% (CIE1931)  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** 20,000,000:1  
**Response time (typical):** 1 ms (Grey to Grey)\*  
**Viewing angle:** 170° (H)/160° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Effective viewing area:** 476.64 (H) x 268.11 (V)  
**Scanning Frequency:** Horizontal: 30-83 kHz (Analogue); 30-85 kHz (HDMI, Adaptive Sync for HDMI) / Vertical: 50-76 Hz (Analog, Digital); 48-76 Hz (HDMI, Adaptive Sync for HDMI)  
**sRGB**  
**Flicker-free**  
**Pixel Density:** 102 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**EasyRead**  
**Adaptive sync**

## Connectivity

**Signal Input:** DVI-D (digital, HDCP), VGA (Analogue), HDMI 1.4  
**Sync Input:** Separate Sync, Sync on Green  
**Audio (In/Out):** PC audio-in, Headphone 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, 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 (100 x 100 mm)  
**Control software:** SmartControl

## Stand

**Tilt:** -5/25 degree

## Power

**ECO mode:** 9.1 W (typ.)  
**Power supply:** Built-in, 100–240 VAC, 50–60 Hz  
**Off mode:** < 0.3 W (typ.)  
**On mode:** 13.04 W (typ.) (EnergyStar test method)  
**Standby mode:** < 0.3 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (flashing)  
**Energy Label Class:** E

## Dimensions

**Packaging in mm (W x H x D):** 560 x 452 x 138 mm  
**Product without stand (mm):** 504 x 304 x 47 mm  
**Product with stand (max height):** 504 x 395 x 208 mm

## Weight

**Product with packaging (kg):** 4.41 kg  
**Product with stand (kg):** 2.80 kg  
**Product without stand (kg):** 2.46 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 °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, RoHS, WEEE  
**Post-consumer recycled plastic:** 25%  
**Recyclable packaging material:** 100 %  
**Specific Substances:** PVC/BFR free housing, Mercury free

## Compliance and standards

**Regulatory Approvals:** CE Mark, FCC Class B, SEMKO, CU-EAC, EPA, UKRAINIAN, ICES-003, MEPS, BSMI, PSB, VCCI, cETLus, TUV Ergo, TUV/GS, CB

## Cabinet

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

## What's in the box?

**Cables:** D-Sub cable, HDMI cable, Audio cable, Power cable  
**Monitor with stand**  
**User Documentation**

