

Philips  
LCD monitor

### S Line

22 (21.5" / 54.6 cm diag.)  
1920 x 1080 (Full HD)

221S8LDSB



## 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 increases your productivity.

#### Brilliant performance

- SmartImage presets for easy optimized image settings
- 16:9 Full HD display for crisp detailed images

#### Features for the way you work

- 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

# PHILIPS

# Highlights

## 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!

## 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.

## 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

## 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).

## Sustainability

Philips is committed to use 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 utilize  $\geq 65\%$  Post-Consumer Recycled plastics, ensuring reduction in waste. Strict adherence to RoHS standards ensure 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

## Connectivity

- Signal Input: DVI-D (digital, HDCP), VGA (Analog), HDMI 1.4
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Audio out

## 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 @ 60Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Color gamut (typical): NTSC 72% (CIE1931)
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 1 ms (Gray to Gray)\*
- Viewing angle: 170° (H) / 160° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- Effective viewing area: 476.64 (H) x 268.11 (V)
- Scanning Frequency: Horizontal: 30 - 83 kHz (Analog); 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

## Convenience

- 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

- Tilt: -5/25 degree

## Power

- ECO mode: 9.1 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- 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 (blinking)

## Dimensions

- Packaging in mm (WxHxD): 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: +12,000ft (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: EnergyStar 8.0, 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, cETLus, CU-EAC, TUV Ergo, TUV/GS, PSB, UKRAINIAN, ICES-003, BSMI, CEL, MEPS, VCCI

## Cabinet

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



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\* Response time value equal to SmartResponse  
\* The monitor may look different from feature images.