Feature-packed display for increased productivity

With features like SmartImage, SmartControl and 0.1 watt soft-off mode, the energy efficient Philips 221S3 increases your productivity.

**Sustainable Eco-friendly solution**
- EPEAT Silver ensures lower impact on environment
- Energy Star for energy efficiency and low power consumption
- SmartPower: Up to 50% power saving
- 0.1 watt Soft-Off mode

**Outstanding display performance**
- SmartImage: Optimised user-friendly display experience
- SmartContrast: For incredible rich black details
- TrueVision: Laboratory quality display performance

**Great convenience**
- Modern Touch controls
- Dual input accepts both analogue VGA and digital DVI signals
- Easy display performance tuning with SmartControl Premium
- Screen tilts to your ideal, individualised viewing angle
Highlights

**SmartImage**

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and gives you optimised display performance. This user-friendly interface allows you to select various modes like Office, Image, Entertainment, 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 with the press of a single button!

**SmartPower**

SmartPower is an artificial intelligent technology which dynamically analyses the content of the screen image to achieve power saving. The backlight intensity can be controlled automatically and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

**TrueVision**

TrueVision is an industry leading, proprietary Philips testing and algorithm technology for the adjustment and fine-tuning of monitors, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft’s Vista requirements, for each monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of colour accuracy and display quality in every new monitor.

**Dual input**

Dual input provides connectors to accommodate input of both analogue VGA and digital DVI signals.

**EPEAT Silver**

Philips EPEAT Silver certified monitors ensure protection for human health and the environment, and are highly energy efficient ensuring low emissions of climate changing green house gases. The EPEAT programme helps purchasers evaluate, compare and select monitors based on 31 environmental criteria supported by the US EPA. EPEAT Silver is valid only where Philips registers the product. Please visit www.epeat.net for registration status in your country.

**Energy Star 5.0**

Energy Star is a US EPA sponsored energy efficiency programme also adopted by many other countries. Energy Star certification ensures that you are buying a product which meets the latest power efficiency standards and which operates with maximum power efficiency at all operational levels. New Philips monitors are certified for Energy Star 5.0 specifications and meet or exceed the standard. For example, in sleep mode Energy Star 5.0 requires less than 1 Watt power consumption, whereas Philips monitors consume less than 0.5 Watts. Further details can be obtained from www.energystar.gov

**Adjustable tilt**

Adjustable tilt is backward and forward movement of a screen on its base to achieve custom positioning for an ideal viewing angle and more comfort for people who spend long hours working on the computer.

**Touch controls**

Touch controls are intelligent, touch sensitive icons that replace protruding buttons that lets the user adjust the monitor to their requirement. Responding to your lightest touch, Touch control gives the monitor a modern feel.

**SmartContrast**

SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.
### Specifications

#### Picture/Display
- **LCD panel type:** TFT-LCD
- **Panel Size:** 21.5 inch/54.6 cm
- **Aspect ratio:** 16:9
- **Effective viewing area:** 476.6 (H) x 268.1 (V)
- **Optimum resolution:** 1920 x 1080 @ 60 Hz
- **Response time (typical):** 5 ms
- **Brightness:** 300 cd/m²
- **Contrast ratio (typical):** 1000:1
- **SmartContrast:** 500,000:1
- **Pixel pitch:** 0.248 x 0.248 mm
- **Viewing angle:** 176° (H) / 160° (V), @ C/R > 5
- **Picture enhancement:** SmartImage
- **Display colours:** 16.7 M
- **Scanning Frequency:** 30–83 kHz (H)/56–75 Hz (V)
  - sRGB

#### Connectivity
- **Signal Input:** VGA (Analogue), DVI-D (digital, HDCP)
- **Sync Input:** Separate Sync, Sync on Green

#### Convenience
- **User convenience:** SmartImage, Brightness, Power On/Off, SmartPower, Menu
- **OSD Languages:** English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- **Other convenience:** VESA mount (100 x 100 mm), Kensington lock
- **Plug and Play Compatibility:** DDC/CL, Mac OS X, sRGB, Windows 7/Vista/XP

#### Stand
- **Tilt:** -5/20 degree

#### Power
- **ECO mode:** 19 W
- **On mode:** 28.51 W (EnergyStar 5.0 test method)
- **Standby mode:** 0.1 W
- **Off mode:** 0.1 W
- **Power LED indicator:** Operation - White, Standby mode - White (flashing)
- **Power supply:** Built-in, 100-240 VAC, 50/60 Hz

#### Dimensions
- **Product with stand (mm):** 507x 402 x 201 mm
- **Product without stand (mm):** 507 x 323 x 59 mm
- **Packaging in mm (W x H x D):** 565 x 461 x 131 mm

#### Weight
- **Product with stand (kg):** 3.85 kg
- **Product without stand (kg):** 3.44 kg
- **Product with packaging (kg):** 5.13 kg

#### Operating conditions
- **Temperature range (operation):** 0°C to 40°C
- **Temperature range (storage):** -20°C to 60°C
- **Relative humidity:** 20–80% %
- **MTBF:** 50,000 hour(s)

#### Sustainability
- **Environmental and energy:** EnergyStar 5.0, EPEAT Silver, RoHS
- **Recyclable packaging material:** 100 %

#### Compliance and standards
- **Regulatory Approvals:** BSMI, CE Mark, FCC Class B, GOST, SEMKO, TCO 5.1, TUV Ergo, TUV/GS, UL/cUL

#### Cabinet
- **Colour:** Silver
- **Finish:** Texture