

Philips  
LCD monitor with  
SmartControl Lite

## V Line

22 (21.5" / 54.6 cm diag.)

223V5LHSB2



# Great LED images in vivid colors

Enjoy vivid LED pictures on this Philips display. Equipped with HDMI and SmartControl lite, it's a great choice!

### Experience multimedia

- HDMI-ready for Full HD entertainment

### Vivid pictures every time

- Easy display performance tuning with SmartControl Lite
- LED technology for vivid colors
- SmartContrast for rich black details
- 16:9 Full HD display for crisp detailed images

### Great choice

- Compact design saves space
- Mercury Free eco-friendly display
- VESA mount allows for flexibility

# PHILIPS

# Highlights

## LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of LCD backlight, resulting in super high contrast ratio. It also gives superior color reproduction thanks to consistent brightness across the screen.

## SmartContrast



SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors 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.

## 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.

## SmartControl Lite

SmartControl Lite is the next generation 3D icon based GUI monitor control software. This allows user to fine-tune most parameters of the monitor like Color, Brightness, screen calibration, Multi-media, ID management, etc with the mouse.

## 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).

## Mercury Free

Philips monitors with LED backlighting are free of Mercury content, one of the most toxic natural substances, which affects humans and animals. This reduces the environmental impact of the display throughout its life-cycle, from manufacturing to disposal.

## Compact design saves space

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## VESA mount

VESA mount allows for flexibility



# Specifications

## Connectivity

- Signal Input: HDMI (digital, HDCP), VGA (Analog)
- Sync Input: Separate Sync, Sync on Green

## Picture/Display

- Panel Size: 21.5 inch / 54.6 cm
- Aspect ratio: 16:9
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Pixel pitch: 0.248x 0.248 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 200 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Contrast ratio (typical): 600:1
- SmartContrast: 10,000,000:1
- Response time (typical): 5 ms
- Viewing angle: 90° (H) / 65° (V), @ C/R > 10
- Effective viewing area: 476.64 (H) x 268.11 (V)
- Scanning Frequency: 30 -83 kHz (H) / 56 -76 Hz (V)
- sRGB

## Convenience

- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8
- User convenience: Auto/Down, 4:3 Wide/Up, Brightness/Back, Menu/OK, Power On/Off
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Turkish, Ukrainian, Greek, Traditional Chinese
- Other convenience: Kensington lock, VESA mount (100x100mm)

## Stand

- Tilt: -5/20 degree

## Power

- Power supply: Built-in, 100-240VAC, 50-60Hz

- Off mode: 0.5 W
- On mode: 15.3 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: 0.5 W
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Product with stand (mm): 503 x 376 x 213 mm
- Packaging in mm (WxHxD): 555 x 414 x 107 mm
- Product without stand (mm): 503 x 316 x 50 mm

## Weight

- Product with packaging (kg): 3.87 kg
- Product with stand (kg): 2.61 kg
- Product without stand (kg): 2.35 kg

## Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 30,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

## Sustainability

- Environmental and energy: RoHS, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, SEMKO, TUV/ISO9241-307, cETLus, EAC, INMETRO

## Cabinet

- Color: Black
- Finish: Hairline (front bezel) / Texture (rear cover)



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