Philips
LCD monitor with
SmartControl Lite, Audio

21.5" (54.6 cm) V-line
Full HD

221V2AB

# Widescreen display offering good value

With features like invisible Speaker, SmartContrast and energy efficiency, the 221V2 offers good value

### High-quality picture
- SmartContrast 300,000:1 for incredible rich black details
- Full HD LCD display, with a 1920 x 1080p resolution
- 5 ms fast response time

### Environmentally friendly green design
- Eco-friendly materials that meet international standards
- Complies with RoHS standards of care for the environment

### Great convenience
- Built in invisible speaker for multimedia experience
- Easy display performance tuning with SmartControl Lite
- Dual input accepts both analogue VGA and digital DVI signals
- Easy picture format control switching between wide and 4:3 formats
- Screen tilts to your ideal, individualised viewing angle

**PHILIPS**

# Highlights

**Built-in invisible speaker**
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.

**SmartContrast ratio 300,000:1**



With SmartContrast / Without SmartContrast

You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight-boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent black level and accurate rendition of dark shades and colours. It gives a bright, lifelike picture with high contrast and vibrant colours.

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

**Full HD LCD display 1920 x 1080p**



The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future-proof as it supports 1080p signals from all sources, including the most recent sources such as Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colours.

**Dual input**



VGA connector / DVI connector

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

**Eco-friendly materials**
"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 some selected models we utilise up to 65% post-consumer recycled plastics. Strict adherence to RoHS standards ensures substantial reduction or elimination of toxic substances like lead, for example. Mercury content in monitors with CCFL backlights has been reduced significantly and eliminated completely in monitors with LED backlights. Visit Philips at http://www.asimpleswitch.com/global/ to learn more.

**5 ms on/off response time**
On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: lower response time means faster transitions and, therefore, results in fewer visible image artefacts in the display of transition of texts and graphics. On-Off response time is a more important measure in the display of business content like documents, graphs and photos.

**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.

**Easy picture format control**



Widescreen format / 4:3 format

Philips easy picture format control on OSD switches from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content; it allows you to work with wide documents without scrolling or viewing widescreen media in the widescreen mode and gives you distortion-free, native mode display of 4:3 ratio content.

**Compliant with RoHS standards**
Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.



Full HD 1080p

300,000:1 SmartContrast

Built-in Audio

# Specifications

## Picture/Display
- LCD panel type: TFT-LCD
- Panel Size: 21.5 inch/54.61 cm
- Aspect ratio: 16:9
- Pixel pitch: 0.248 x 0.248 mm
- Brightness: 250 cd/m²
- SmartContrast: 300,000:1
- Response time (typical): 5 ms
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Viewing angle: 176° (H)/170° (V), @ C/R > 5
- 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
- Audio (In/Out): Stereo Audio

## Convenience
- Built-in Audio: 1.5 W x 2
- User convenience: Brightness, Menu, Input, Auto, Power On/Off
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese, Turkish
- Other convenience: VESA mount (100 x 100 mm), Kensington lock
- Plug and Play Compatibility: DDC/CI, sRGB, Windows 7/Vista/XP/2000/98

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

## Power
- On mode: < 21.5 W (EnergyStar 5.0 test method)
- Standby mode: < 0.5 W
- Off mode: < 0.5 W
- Power LED indicator: Operation - green, Standby/sleep - Amber
- Power supply: Built-in, 100-240 VAC, 50/60 Hz

## Dimensions
- Product with stand (mm): 367 x 515 x 182 mm
- Product without stand (mm): 310 x 515 x 69 mm
- Packaging in mm (W x H x D): 591 x 133 x 400 mm

## Weight
- Product with stand (kg): 3.86 kg
- Product without stand (kg): 3.58 kg
- Product with packaging (kg): 5.32 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% %
- MTBF: 50,000 hour(s)

## Sustainability
- Environmental and energy: RoHS
- Recyclable packaging material: 100 %

## Compliance and standards
- Regulatory Approvals: CE Mark, FCC, Class B, UL/cUL

## Cabinet
- Colour: Black/Black
- Finish: Texture