

Philips  
LCD monitor with  
SmartControl Lite

V Line  
24 (23.8" / 60.5 cm diag.)

240V5QDAB



## Great LED images in vivid colors

with stereo speakers

Enjoy vibrant pictures on this Philips display. Equipped with HDMI and stereo speakers, it's a great choice!

### **Vivid pictures every time**

- IPS-ADS wide-view technology for image and color accuracy
- 16:9 Full HD display for crisp detailed images
- SmartContrast for rich black details
- Easy display performance tuning with SmartControl Lite

### **Experience multimedia**

- Powerful sound with 2x2 watts RMS speakers
- HDMI-ready for Full HD entertainment

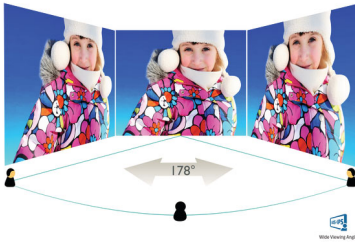
### **Great choice**

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

# PHILIPS

# Highlights

## IPS-ADS technology



IPS-ADS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS-ADS displays give you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

## 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.

## 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.

## 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



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).

## Built-in stereo speakers

Now you can enjoy all your multimedia and social applications with stereo sound. These built in speakers not only sound great, but also helps you to get rid of external wire clutter and save valuable desktop space.

## 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.



# Specifications

## Picture/Display

- LCD panel type: IPS-ADS LCD
- Backlight type: W-LED system
- Panel Size: 23.8 inch / 60.5 cm
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Response time (typical): 5 ms (GtG)\*
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast: 10,000,000:1
- Contrast ratio (typical): 1000:1
- Pixel pitch: 0.275 x 0.275 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Display colors: 16.7 M
- Scanning Frequency: 30 -83 kHz (H) / 56 -76 Hz (V)
- sRGB

## Connectivity

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

## Convenience

- Built-in Speakers: 2W x 2
- User convenience: Power On/Off, Menu/OK, Brightness/Back, Volume/Up, Auto/Down
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Simplified Chinese, Swedish, Turkish, Traditional Chinese, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8.1

## Stand

- Tilt: -5/20 degree

## Power

- On mode: 19.23 W (typ.) (EnergyStar 6.0 test method)

- Standby mode: 0.5 W (typ.)
- Off mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

## Dimensions

- Product with stand (mm): 553 x 420 x 219 mm
- Product without stand (mm): 553 x 343 x 55 mm
- Packaging in mm (WxHxD): 600 x 415 x 118 mm

## Weight

- Product with stand (kg): 4.09 kg
- Product without stand (kg): 3.69 kg
- Product with packaging (kg): 5.36 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 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 50,000 (Excluded backlight) hour(s)

## Sustainability

- Environmental and energy: EnergyStar 6.0, RoHS, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, TCO Certified, cETLus, TUV/ISO9241-307, BSMI, PSB, C-tick, UKRAINIAN, EPA

## Cabinet

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

## What's in the box?

- Monitor with stand
- Cables: VGA, Audio, Power
- User Documentation



Issue date 2022-06-22

Version: 5.0.1

12 NC: 8670 001 25188  
EAN: 87 12581 73249 3

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\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.  
\* HDMI cables vary depending on region and models.  
\* Response time value equal to SmartResponse