



## Philips

LCD monitor with SmartControl Lite

- V Line
- 23" (58.4cm)

233V5QHABP/00

# Great LED images in vivid colors

with stereo speakers

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

## Benefits

### Vivid pictures every time

- PLS LED wide-view technology for image and color accuracy
- Easy display performance tuning with SmartControl Lite
- SmartContrast for rich black details
- 16:9 Full HD display for best viewing experience

### Experience multimedia

- Built-in stereo speakers for multimedia

- HDMI-ready for Full HD entertainment

### Great choice

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

# PHILIPS

## Features

### PLS technology



PLS 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 - even in 90 degree Pivot mode! Unlike standard TN panels, PLS 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.

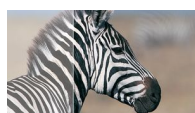
### Built-in stereo speakers

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

### 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.

### 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



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 like 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 colors.

### 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.

## Specifications

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### Picture/Display

LCD panel type	PLS LCD
Backlight type	W-LED system
Panel Size	23 inch / 58.4 cm
Effective viewing area	509.18 (H) x 286.42 (V)
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 60 Hz
Response time (typical)	12 (Gray to Gray) ms
Brightness	250 cd/m <sup>2</sup>
SmartContrast	10,000,000:1
Contrast ratio (typical)	1000:1
Pixel pitch	0.265 x 0.265 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Display colors	16.7 M
Scanning Frequency	30 -83 kHz (H) / 56 -75 Hz (V)
sRGB	Yes

### Connectivity

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

### Convenience

Built-in Speakers	2 W x 2
User convenience	Auto/Down

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

<b>Stand</b>		Relative humidity	20%-80 %
Tilt	-5/20 degree	Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
		MTBF	30,000 hour(s)
<b>Power</b>		<b>Sustainability</b>	
On mode	20.27 W (typ.) (EnergyStar 6.0 test method)	Environmental and energy	EnergyStar 6.0
Standby mode	0.5 W (typ.)		EPEAT Silver
Off mode	0.3 W (typ.)		RoHS
Power LED indicator	Operation - White	Recyclable packaging material	Lead-free
	Standby mode- White (blinking)		Mercury Free
Power supply	Built-in		100 %
	100-240VAC, 50-60Hz		
<b>Dimensions</b>		<b>Compliance and standards</b>	
Product with stand (mm)	547 x 416 x 219 mm	Regulatory Approvals	BSMI
Product without stand (mm)	547 x 340 x 53 mm		CE Mark
Packaging in mm (WxHxD)	600 x 415 x 118 mm		cETLus
			FCC Class B
			GOST
			PSB
			SASO
			SEMKO
			TCO certified
			TUV/ISO9241-307
			WEEE
<b>Weight</b>		<b>Cabinet</b>	
Product with stand (kg)	3.82 kg	Color Finish	Black
Product without stand (kg)	3.40 kg		Hairline (front bezel) / Texture (rear cover)
Product with packaging (kg)	5.25 kg		
<b>Operating conditions</b>			
Temperature range (operation)	0°C to 40°C °C		
Temperature range (storage)	-20°C to 60°C °C		



data subject to change  
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