Philips

LCD monitor with SmartControl Lite

• V-line
• 23" / 58.4cm

233V5LHSB2/00

Great LED images in vivid colors

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

Benefits

Vivid pictures every time

• LED technology for vivid colors
• Easy display performance tuning with SmartControl Lite
• SmartContrast for rich black details
• 16:9 Full HD display for best viewing experience

Experience multimedia

• HDMI-ready for Full HD entertainment

Great choice

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

Features

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.

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.

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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	TFT-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)	5 ms
Brightness	200 cd/m²
SmartContrast	10,000,000:1
Contrast ratio (typical)	600:1
Pixel pitch	0.265 x 0.265 mm
Viewing angle	90° (H) / 50° (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)	HDMI audio out

Convenience

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 Greek Hungarian Italian Japanese Korean Polish Portuguese Russian Spanish Simplified Chinese Swedish Turkish Traditional Chinese Ukranian
Other convenience	Kensington lock VESA mount (100x100mm)
Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 7 Windows 8

Stand

Tilt	-5/20 degree

Power

On mode	17.97 W (typ.) (EnergyStar 6.0 test method)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	Built-in 100-240VAC, 50-60Hz

Dimensions

Product with stand (mm)	547 x 416 x 219 mm
Product without stand (mm)	547 x 340 x 53 mm
Packaging in mm (WxHxD)	600 x 415 x 118 mm

Weight

Product with stand (kg)	3.50 kg
Product without stand (kg)	3.13 kg
Product with packaging (kg)	4.93 kg

Operating conditions

Temperature range (operation)	0°C to 40°C °C

data subject to change
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			Cabinet	
Temperature range (storage)	-20°C to 60°C °C		Color	Black
Relative humidity	20%-80 %		Finish	Hairline (front bezel) / Texture (rear cover)
Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)			
MTBF	30,000 hour(s)			

Sustainability

Environmental and energy	EnergyStar 6.0 EPEAT Silver RoHS Lead-free Mercury Free
Recyclable packaging material	100 %

Compliance and standards

Regulatory Approvals	BSMI CE Mark cETLus FCC Class B GOST PSB SASO SEMKO TUV/ISO9241-307 WEEE

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