LCD monitor with Ultra Wide-Color

- E Line
- 24 (Viewable 23.6"/59.9 cm)
- Full HD (1920 x 1080)

246E7QDAB/01

Vivid, true-to-life colours

in an elegant design

This brilliant wide-view display with Ultra Wide-Color offers true-to-life colours wrapped in an elegance-inspired design for a light and fresh face in any home or office.

Benefits

Superb Picture Quality

- Ultra Wide-Color wider range of colours for a vivid picture
- IPS LED wide view technology for image and colour accuracy
- 16:9 Full HD display for crisp, detailed images
- Less eye fatigue with Flicker-Free technology
- SmartContrast for deep black level details
- SmartImage Lite for easy optimised image settings

Elegant Design

- EasySelect menu toggle key for quick on-screen menu access
- Elegant, slim design complements your home decor
- Superb glossy finish enhances your home decoration

Experience immersive multimedia

- MHL technology for enjoying mobile content on a big screen
- Built-in stereo speakers for multimedia

PHILIPS

Features

Ultra Wide-Color Technology

Ultra Wide-Color Technology delivers a wider spectrum of colours for a more brilliant picture. The Ultra Wide-Color wider "colour gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images and even productivity more alive with vivid colours from Ultra Wide-Color Technology.

IPS technology

IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour 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 colours, expect a true-to-life picture.

Flicker-Free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

SmartContrast

SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours 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.

SmartImage Lite

SmartImage Lite is an exclusive, leading edge Philips technology that analyses the content displayed on your screen. Based on a scenario you select, SmartImage Lite dynamically enhances the contrast, colour saturation and sharpness of images and videos for ultimate display performance - all in real time with the press of a single button.

EasySelect Menu Toggle Key

The discreetly placed EasySelect Menu Toggle Key allows you to make quick and easy adjustments to monitor settings in the On-Screen Display menu.

MHL technology

Mobile High-Definition Link (MHL) is a mobile audio/video interface for directly connecting mobile phones and other portable devices to high-definition displays. An optional MHL cable allows you to simply connect your MHL-capable mobile device to this large Philips MHL display and watch your HD videos come to life with full digital sound. Now not only can you enjoy your mobile games, photos, movies or other apps on its big screen, you can simultaneously charge your mobile device so you never run out of power halfway.

Built-in stereo speakers

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.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

LCD panel type	IPS technology	Aspect ratio	16:9
Backlight type	W-LED system	Optimum resolution	1920 x 1080 @ 60 Hz
Panel Size	23.6 inch/59.9 cm	Response time (typical)	5 ms (Grey to Grey)*
Effective viewing area	521.28 (H) x 293.22 (V)	Brightness	250 cd/m²

data subject to change
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Contrast ratio (typical)	1000:1	Standby mode	0.5 W (typ.)
SmartContrast	20,000,000:1	Off mode	0.3 W (typ.)
Pixel pitch	0.272 x 0.272 mm	Power LED indicator	Operation - White
Viewing angle	178° (H)/178° (V) @ C/R > 10		Standby mode - White (flashing)
Flicker-free	Yes	Power supply	External
Picture enhancement	SmartImage Lite		100-240 VAC, 50-60 Hz
Colour gamut (typical)	NTSC 101.4% (CIE1976)*		
Display colours	16.7 M		
Scanning Frequency	30-83 kHz (H) / 56-76 Hz (V)		
MHL	1080P @ 30 Hz		
sRGB	Yes		

Connectivity

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

Convenience

Built-in Speakers	3 W x 2
User convenience	Power On/Off
	Menu
	Volume (HDMI Audio out)
	Input
	SmartImage Lite
OSD Languages	Brazil Portuguese
	Czech
	Dutch
	English
	Finnish
	French
	German
	Greek
	Hungarian
	Italian
	Japanese
	Korean
	Polish
	Portuguese
	Russian
	Simplified Chinese
	Spanish
	Swedish
	Traditional Chinese
	Turkish
	Ukrainian
Other convenience	Kensington lock
	VESA mount (100 x 100 mm)
Plug and Play Compatibility	DDC/CI
	Mac OS X
	sRGB
	Windows 8.1 / 8 / 7

Stand

Tilt	-5/20 degree

Power

On mode	14.47 W (typ.) (EnergyStar 7.0 test method)

Dimensions

Product with stand (mm)	539 x 419 x 179 mm
Product without stand (mm)	539 x 324 x 45 mm
Packaging in mm (W x H x D)	581 x 490 x 102 mm

Weight

Product with stand (kg)	3.18 kg
Product without stand (kg)	2.61 kg
Product with packaging (kg)	5.13 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: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
MTBF	50,000 (excluding backlight) hour(s)

Sustainability

Environmental and energy	EnergyStar 7.0
	EPEAT Silver
	RoHS
	Lead-free
	Mercury Free
Recyclable packaging material	100 %

Compliance and standards

Regulatory Approvals	CE Mark
	FCC Class B
	CU-EAC
	TCO certified
	TUV/ISO9241-307
	VCCI
	WEEE
	CECP
	RCM

Cabinet

Colour	Black
Finish	Glossy

What's in the box?

Monitor with stand	yes
Cables	VGA, Power
User Documentation	yes

* This Philips display is MHL-certified. However, if your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for instructions. The policy of your device manufacturer may require you to purchase its brand-specific MHL cable or adapter in order for it to work
* Requires optional MHL-certified mobile device and MHL cable (not included). Please check with your MHL device vendor for compatibility.
* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality
* For a complete list of MHL-enabled products, refer to www.mhlconsortium.org
* HDMI cables vary depending on region and models.
* Response time value equal to SmartResponse
* NTSC 85% (CIE1931), sRGB: 122.7%
* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

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