LCD monitor with Ultra Wide-Color

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

246E7QDSB/89

Vivid, true-to-life colors

in an elegant design

This brilliant wide view display with Ultra Wide-Color offers true-to-life colors 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 colors for a vivid picture
- PLS LED wide-view technology for image and color 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 optimized image settings

Elegant Design

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

Experience immersive multimedia
- MHL technology for enjoying mobile content on big screen

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Features

Ultra Wide-Color Technology

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

PLS technology

PLS displays uses 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 gives 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.

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.
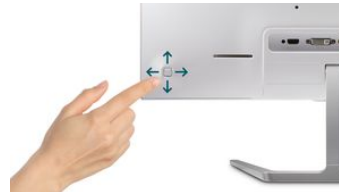
SmartContrast

SmartContrast is a Philips technology that 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.

SmartImage Lite

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

Specifications

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Picture/Display

LCD panel type	PLS LCD	Brightness	250 cd/m²
Backlight type	W-LED system	Contrast ratio (typical)	1000:1
Panel Size	23.6 inch / 59.9 cm	SmartContrast	20,000,000:1
Effective viewing area	521.28 (H) x 293.22 (V)	Pixel pitch	0.272 x 0.272 mm
Aspect ratio	16:9	Viewing angle	178° (H) / 178° (V) @ C/R > 10
Optimum resolution	1920 x 1080 @ 60Hz		
Response time (typical)	5 ms (Gray to Gray)*	Flicker-free	Yes
		Picture enhancement	SmartImage Lite

data subject to change
2021, May 19

Color gamut (typical)	NTSC 101.4% (CIE1976)*	Power LED indicator	Operation - White
Display colors	16.7 M		Standby mode- White (blinking)
Scanning Frequency	30 -83 kHz (H) / 56 -76 Hz (V)	Power supply	External
MHL	1080P @ 30Hz		100-240VAC, 50-60Hz
sRGB	Yes		

Connectivity

		## Dimensions	
Signal Input	VGA (Analog)	Product with stand (mm)	539 x 419 x 179 mm
	DVI-D (digital, HDCP)		
	MHL-HDMI (digital, HDCP)	Product without stand (mm)	539 x 324 x 45 mm
Sync Input	Separate Sync		
	Sync on Green	Packaging in mm (WxHxD)	581 x 490 x 102 mm
Audio (In/Out)	HDMI audio out		

Convenience

Weight

User convenience	Power On/Off	Product with stand (kg)	3.18 kg
	Menu		
	Volume (HDMI Audio out)	Product without stand (kg)	2.61 kg
	Input		
	SmartImage lite	Product with packaging (kg)	5.13 kg
OSD Languages	Brazil Portuguese		

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 (excluding backlight) hour(s)

OSD Languages (continued): Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukranian

Sustainability

Environmental and energy	EnergyStar 7.0
	RoHS
	Mercury Free
Recyclable packaging material	100 %

Other convenience	Kensington lock
	VESA mount (100x100mm)
Plug & Play Compatibility	DDC/CI
	Mac OS X
	sRGB
	Windows 8.1 / 8 / 7

Compliance and standards

Regulatory Approvals	CE Mark
	FCC Class B
	CU-EAC
	TCO Certified
	TUV/ISO9241-307
	VCCI
	C-tick
	WEEE
	CECP

Stand

Tilt	-5/20 degree

Power

On mode	14.47 W (typ.) (EnergyStar 7.0 test method)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)

Cabinet

Color	Black
Finish	Glossy

* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order 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 complete list of MHL-enabled products refer to www.mhlconsortiun.org
* HDMI cables vary depending on region and models.
* Response time value equal to SmartResponse
* NTSC 85% (CIE1931), sRGB: 122.7%

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