LCD monitor with SmartImage lite

- Ultra-Narrow Bezel
- 23" (58.4 cm)
- MHL

234E5QHAB/05

Vibrant images with AH-IPS display

with Ultra-Narrow Bezel, MHL

This attractive Philips display with ultra-narrow bezel and AH-IPS screen gives you awesome, vibrant colour images. Mobile HD link allows you to connect your Smartphone.

Benefits

Entertainment with Mobile HD Link (MHL)

- MHL technology for enjoying mobile content on a big screen
- Built-in stereo speakers for multimedia
- HDMI-ready for Full HD entertainment
- Charge your mobile device while watching a movie
- Optional MHL cable allows for HD video audio playback

Awesome picture quality

- AH-IPS display gives awesome images with wide viewing angles
- SmartImage Lite for an enhanced LCD viewing experience

- 16:9 Full HD display for crisp, detailed images
- TrueVision ensures lab quality images

Stylish design

- Minimalistic looks with Ultra-Narrow Bezel
- Superb glossy and textured finish
- VESA mount for convenience

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Features

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.

AH-IPS technology

AH-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, AH-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.

Ultra-Narrow Bezel

Utilising the latest technology panels, the new Philips displays are designed with a minimalistic approach by limiting the outer bezel thickness to about 2.5 mm. Combined with an in-panel black matrix strip of around 9 mm, the overall bezel dimensions are reduced significantly, minimising distractions and maximising viewing size. Especially suited to multi-display or tiling setups like gaming, graphics design and professional applications, the Ultra-narrow bezel display gives you the feeling of using one large display.

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.

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.

HDMI Ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. An HDMI cable enables high-quality digital video and audio to be 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).

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.

TrueVision

TrueVision is a proprietary Philips technology that uses an advanced algorithm for testing and aligning monitor display, which gives you the ultimate display performance. Philips ensures that TrueVision monitors leave the factory fine-tuned with this process giving you consistent colour and picture quality.

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	AH-IPS LCD
Backlight type	W-LED system
Panel Size	23 inch/58.4 cm
Effective viewing area	509.18 (H) x 286.41 (V)
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 60 Hz
SmartResponse (typical)	5 ms (Grey to Grey)
Brightness	250 cd/m²
Contrast ratio (typical)	1000:1
SmartContrast	20,000,000:1
Pixel pitch	0.265 x 0.265 mm

Viewing angle	178° (H)/178° (V) @ C/R > 10
Picture enhancement	SmartImage Lite
Display colours	16.7 M
Scanning Frequency	30–83 kHz (H)/56–75 Hz (V)
MHL	1080p@30Hz
sRGB	Yes

Connectivity

Signal Input	HDMI (digital, HDCP) MHL-HDMI (digital, HDCP) VGA (Analogue)
Sync Input	Separate Sync

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Audio (In/Out)	Sync on Green PC audio-in Headphone out			

Convenience

Built-in Speakers	5 W x 2
User convenience	Power On/Off Menu Volume 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 7 Windows 8

Stand

Tilt	-5/20 degree

Power

On mode	29.1 W (typ.)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)
Power LED indicator	Operation - White Standby mode - White (flashing)
Power supply	External 100-240 VAC, 50-60 Hz

Dimensions

Product with stand (mm)	532 x 414 x 213 mm
Product without stand (mm)	532 x 325 x 45 mm
Packaging in mm (W x H x D)	577 x 475 x 105 mm

Weight

Product with stand (kg)	3.46 kg
Product without stand (kg)	3.11 kg
Product with packaging (kg)	5.16 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	30,000 hour(s)

Sustainability

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

Compliance and standards

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

Cabinet

Colour	Black Cherry/Black
Finish	Glossy

* 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

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