



Philips

LCD monitor with SmartImage lite

- E-line
- 28"/71.1 cm
- MHL Technology

284E5QHAD/00

Vibrant images with MVA display

with MHL technology

This big, attractive Philips display with slim bezel and MVA screen gives you awesome, vibrant colour images. Mobile HD link allows you to mirror your Smartphone, immersing you in powerful multimedia.

Benefits

Entertainment with Mobile HD Link (MHL)

- MHL technology for enjoying mobile content on a big screen
- Superb 14-watt stereo sound
- 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

- MVA display gives awesome images with a wide viewing angle
- SmartImage Lite for an enhanced LCD viewing experience

- 16:9 Full HD display for the best viewing experience
- TrueVision ensures lab quality images

Stylish design

- Superb glossy and textured finish
- VESA mount for convenience
- Elegant design with slim bezel

PHILIPS

Features

MVA LED display

Philips' MVA LED display uses an advanced multi-domain vertical alignment technology that gives you super-high static contrast ratios for extra-vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web browsing, films, gaming and demanding graphical applications. Its optimised pixel management technology gives you a 176/176-degree extra-wide viewing angle, resulting in crisp images even in 90-degree pivot mode

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.

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.

Superb 14-watt stereo sound

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	MVA
Backlight type	W-LED system
Panel Size	28 inch/71.1 cm
Effective viewing area	619.8 (H) x 348.6 (V)
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 60 Hz
Response time (typical)	6.5 ms
SmartResponse (typical)	4 ms (Grey to Grey)
Brightness	300 cd/m ²
Contrast ratio (typical)	3000:1
SmartContrast	20,000,000:1
Pixel pitch	0.32 x 0.32 mm
Viewing angle	176° (H)/176° (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)
--------------	----------------------

HDMI Ready



An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input, high quality digital video and audio signals all transmitted over a single cable from a PC or any number of AV sources including set-top boxes, DVD players and A/V receivers and video cameras.

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 sources such as 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 colours.

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.

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

Convenience

Built-in Speakers	7 watts 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

Other convenience	Polish
	Portuguese
	Russian
	Simplified Chinese
	Spanish
	Swedish
	Turkish
	Traditional Chinese
	Ukrainian
	Kensington lock
Plug and Play Compatibility	VESA mount (100 x 100 mm)
	DDC/CI
	Mac OS X
	sRGB
	Windows 7 Windows 8

Stand

Tilt	-5/20 degree
------	--------------

Power

On mode	23.18 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 (flashing)
Power supply	External 100-240 VAC, 50-60 Hz

Dimensions

Product with stand (mm)	663 x 485 x 237 mm
Product without stand (mm)	663 x 390 x 54 mm
Packaging in mm (W x H x D)	711 x 542 x 116 mm

Weight

Product with stand (kg)	4.73 kg
-------------------------	---------

Product without stand (kg)	4.21 kg
Product with packaging (kg)	6.60 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	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 SASO SEMKO TCO 6.0 TUV/ISO9241-307 WEEE
----------------------	---

Cabinet

Colour Finish	Black Cherry Glossy
---------------	---------------------

* 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

* Smart response time is the optimum value from either GtG or GtG (BW) tests.



data subject to change
2015, January 22

Version: 1.0.1
EAN: 8712581692537

© 2015 Koninklijke Philips Electronics N.V.
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

www.philips.com