Philips
LCD monitor with
SmartImage lite

E Line
28" (71.1 cm)
MHL Technology

284E5QHSD

Vibrant images with MVA display

with MHL technology

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

Awesome picture quality
- SmartImage Lite for an enhanced LCD viewing experience
- TrueVision ensures lab quality images
- MVA display gives awesome images with wide viewing angle
- 16:9 Full HD display for crisp detailed images

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

Entertainment with Mobile HD Link (MHL)
- Charge your mobile device while watching movie
- HDMI-ready for Full HD entertainment
- Optional MHL cable allows for HD video audio playback
- MHL technology for enjoying mobile content on big screen

PHILIPS

Highlights

MVA LED display

Philips MVA LED display uses an advanced multi-domain vertical alignment technology which 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, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you extra wide viewing angle, resulting in crisp images.

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.

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.

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).
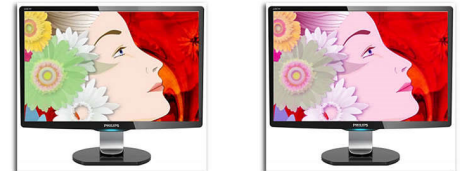
16:9 Full HD display

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.

TrueVision

TrueVision On

TrueVision Off

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

Superb glossy and texture
Superb glossy and texture finish

VESA mount for convenience
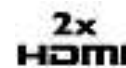VESA mount for convenience

Charge mobile device
Charge your mobile device while watching movie

Optional MHL cable
Optional MHL cable allows for HD video audio playback

Elegant design with slim bezel
Elegant design with slim bezel

Specifications

Picture/Display

- Panel Size: 28 inch / 71.1 cm
- Aspect ratio: 16:9
- LCD panel type: MVA
- Backlight type: W-LED system
- Pixel pitch: 0.32 x 0.32 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 300 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 3000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 6.5 ms
- Viewing angle: 176° (H) / 176° (V), @ C/R > 10
- Picture enhancement: SmartImage Lite
- Effective viewing area: 619.8 (H) x 348.6 (V)
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB
- SmartResponse (typical): 4 ms (Grey to Grey)
- MHL: 1080p@30Hz

Connectivity

- Signal Input: HDMI (digital, HDCP), MHL-HDMI (digital, HDCP), VGA (Analog)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

Convenience

- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8
- User convenience: Power On/Off, Menu, 4:3 / Wide, 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, Turkish, Traditional Chinese, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)

Stand

- Tilt: -5/20 degree

Power

- Power supply: External, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 25.14 W (EnergyStar 6.0 test method)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

- Product with stand (mm): 663 x 485 x 237 mm
- Packaging in mm (WxHxD): 711 x 542 x 116 mm
- Product without stand (mm): 663 x 390 x 54 mm

Weight

- Product with packaging (kg): 6.60 kg
- Product with stand (kg): 4.73 kg
- Product without stand (kg): 4.21 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 30,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability

- Environmental and energy: EnergyStar 6.0, RoHS, 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

- Color: Black Cherry
- 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
* Smart response time is the optimum value from either GtG or GtG (BW) tests.