Philips
LCD monitor with
SmartImage lite

Ultra Narrow Bezel
21.5" (54.6 cm)
MHL

224E5QHSB

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 color images. Mobile HD link allows you to connect your Smartphone.

Stylish design
- Superb glossy and texture finish
- Minimalistic looks with Ultra Narrow Bezel
- VESA mount for convenience

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

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
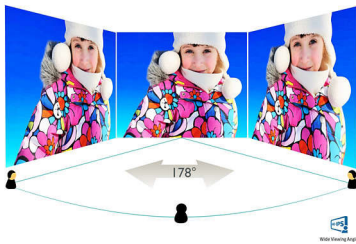
PHILIPS

Highlights

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.

AH-IPS technology

AH-IPS displays use 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. Unlike standard TN panels, AH-IPS 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.

Ultra Narrow Bezel

Utilizing latest technology panels, the new Philips displays are designed with minimalistic approach by limiting the outer bezel thickness to about 2.5mm. Combined with in-panel black matrix strip of around 9mm, the overall bezel dimensions are reduced significantly allowing for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup 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 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

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).
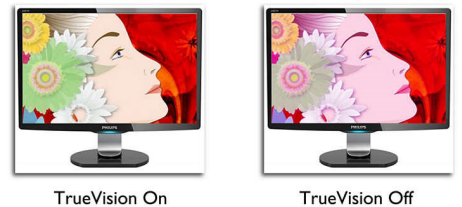
16:9 Full HD display

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

Specifications

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

Picture/Display
- Panel Size: 21.5 inch / 54.6 cm
- Aspect ratio: 16:9
- LCD panel type: AH-IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.248 x 0.248 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage Lite
- Effective viewing area: 476.1(H) x 267.8 (V)
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB
- SmartResponse (typical): 5 ms (Grey to Grey)
- MHL: 1080p@30Hz

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, Traditional Chinese, Turkish, 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: 20 W (typ.) (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): 500 x 394 x 213 mm
- Packaging in mm (WxHxD): 562 x 466 x 106 mm
- Product without stand (mm): 500 x 306 x 47 mm

Weight
- Product with packaging (kg): 5.01 kg
- Product with stand (kg): 3.14 kg
- Product without stand (kg): 2.82 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 / Black
- Finish: Glossy

What's in the box?
- Cables: VGA, Power
- Monitor with stand
- User Documentation

* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.
* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality