

Philips  
LCD monitor with  
Webcam

**E Line**  
23.6" / 60 cm  
MHL Technology

**247E4QHKAD**



## Socialize with webcam display

### Entertain with MHL technology

Enhance your social networking with this Philips display. It's high quality webcam with mic ensures you are seen and heard clearly. Latest MHL technology enables you to watch HD videos directly from your MHL mobile device while charging it

#### **Elegant Design**

- Elegant, slim design complements your home decor
- Modern Touch controls
- Superb black cherry glossy finish

#### **Superb Picture Quality**

- TrueVision ensures lab quality images
- SmartImage Lite for an enhanced LCD viewing experience
- IPS LED wide view technology for image and color accuracy

#### **Social multimedia**

- Powerful sound with 2x2 watts RMS speakers
- Charge your mobile device while watching movie
- HDMI-ready for Full HD entertainment
- Optional MHL cable allows for HD video audio playback
- Webcam and mic keeps you connected with family and friends
- MHL technology for enjoying mobile content on big screen

**PHILIPS**

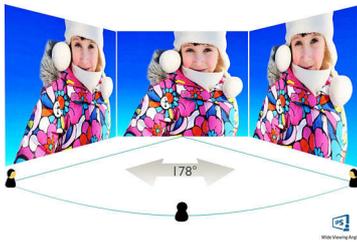
# Highlights

## 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.

## IPS technology



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, 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.

## Socialize with webcam

Embedded 2 megapixel webcam with superb, bright and crisp images enables you to socialize with your family and friends. Its sensitive microphone ensures that your voice carries

through clearly. You can hear clear audio either from its built in stereo speakers, or attach your own headphones for private conversation. This simple built-in solution ensures that you don't have to tangle with installing camera and positioning microphones anymore.

## 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).

## Built-in stereo speakers

Now you can enjoy all your multimedia and social applications with stereo sound. These built in speakers not only sound great, but also helps you to get rid of external wire clutter and save valuable desktop space.

## 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.

## Touch controls



Touch controls are intelligent, touch sensitive icons that replace protruding buttons that lets the user adjust the monitor to their requirement. Responding to your lightest touch, Touch control gives the monitor a modern feel.

## Slim design

Elegant, slim design complements your home decor

## Charge mobile device

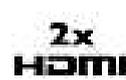
Charge your mobile device while watching movie

## Optional MHL cable

Optional MHL cable allows for HD video audio playback

## Superb black cherry

Superb black cherry glossy finish



# Specifications

## Connectivity

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

## Picture/Display

- Panel Size: 23.6 inch / 59.9cm
- Aspect ratio: 16:9
- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.272x 0.272 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Viewing angle: 178° (H) / 178° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage Lite
- Effective viewing area: 521.28 (H) x 293.22 (V)
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB
- SmartResponse (typical): 7 ms (Grey to Grey)
- MHL: 1080P @ 30Hz

## Convenience

- Built-in Speakers: 2Wx2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8
- User convenience: SmartImage lite, Input, Menu, Power On/Off, Volume
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish, Turkish
- Other convenience: Kensington lock
- Built-in webcam: 2.0 megapixel camera with microphone and LED indicator

## Stand

- Tilt: -5/20 degree

## Power

- Power supply: External, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 24.6 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): 557 x 434 x 193 mm
- Packaging in mm (WxHxD): 620 x 525 x 122 mm
- Product without stand (mm): 557 x 348 x 39 mm

## Weight

- Product with packaging (kg): 5.68 kg
- Product with stand (kg): 3.44 kg
- Product without stand (kg): 3.16 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, FCC Class B, GOST, PSB, SASO, SEMKO, TUV/ISO9241-307, UL/cUL, WEEE

## Cabinet

- Color: Black Cherry
- Finish: Glossy



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\* 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  
\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.