

Philips  
IPS LCD monitor, LED  
backlight

**E Line**  
23" (58.4 cm)  
MHL Technology

**237E4QHSD**



## High performance IPS display

with MHL technology

Experience big size entertainment from your mobile device. This new Philips display with Mobile HD Link technology enables you to watch HD videos or other contents 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
- 16:9 Full HD display for best viewing experience
- IPS LED wide view technology for image and color accuracy

### **Entertainment with Mobile HD Link (MHL)**

- Charge your mobile device while watching movie
- HDMI-ready for Full HD entertainment
- High quality stereo headphone output
- Optional MHL cable allows for HD video audio playback
- MHL technology for enjoying mobile content on big screen

# PHILIPS



IPS LCD monitor, LED backlight  
E Line 23" (58.4 cm), MHL Technology

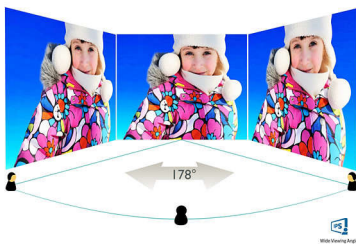
# Highlights

## 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.

## 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



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 like 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 colors.

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## TrueVision



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

## High quality stereo headphone

High quality stereo headphone output

## Superb black cherry

Superb black cherry glossy finish

## Optional MHL cable

Optional MHL cable allows for HD video audio playback

## Charge mobile device

Charge your mobile device while watching movie





# Specifications

## Connectivity

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

## Picture/Display

- Panel Size: 23 inch / 58.4 cm
- Aspect ratio: 16:9
- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.265 x 0.265 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 >= 10
- Picture enhancement: SmartImage Lite
- Effective viewing area: 509.18 (H) x 286.41 (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/Vista/XP
- User convenience: SmartImage lite, Input, 4:3 / Wide, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish, Turkish
- Other convenience: Kensington lock

## Stand

- Tilt: -5/20 degree

## Power

- Power supply: External, 100-240VAC, 50-60Hz
- Off mode: 0.3 W
- On mode: 28.6 W (EnergyStar 5.0 test method)
- Standby mode: 0.5 W
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Product with stand (mm): 547 x 420 x 193 mm
- Packaging in mm (WxHxD): 600 x 500 x 100 mm
- Product without stand (mm): 547 x 335 x 37 mm

## Weight

- Product with packaging (kg): 4.17 kg
- Product with stand (kg): 2.82 kg
- Product without stand (kg): 2.52 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 5.0, RoHS, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, PSB, SASO, SEMKO, TCO 5.2, TUV/ISO9241-307, UL/cUL, WEEE

## Cabinet

- Color: Black Cherry
- Finish: Glossy



Issue date 2024-03-24

Version: 3.0.1

EAN: 87 12581 64713 1

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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

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