Philips Brilliance
LED backlit LCD monitor
with PowerSensor

P-line
24 (Viewable 23.8"/60.5 cm)
Full HD (1920 x 1080)

Brilliance

241P6QPJKES

Brilliant performance from every angle

with a full HD AH-IPS display

The Philips PowerSensor AH-IPS LED display with Webcam helps you collaborate and communicate, saving you time and money.

Brilliant performance
- AH-IPS LED gives brilliant images with vivid colours
- Less eye fatigue with Flicker-Free technology
- SmartImage presets for easy optimised image settings

Designed for people
- SmartErgoBase enables user-friendly ergonomic adjustments

Easy to experience
- Built-in stereo speakers for multimedia
- Webcam with mic to connect and collaborate
- USB 3.0 Hub for convenient access and fast charging
- MHL technology for enjoying mobile content on a big screen
- DisplayPort connection for maximum visuals

Sustainable Eco-design
- LightSensor optimises picture quality
- PowerSensor saves up to 80% energy costs

PHILIPS

Highlights

AH-IPS technology

This latest Philips display uses advanced AH-IPS panels utilising improved structure resulting in superior colour reproduction, response time and power consumption compared to other wide view angle panels. Unlike standard TN panels, AH-IPS panels exhibit the smallest amount of Gamma fluctuation and therefore are able to show consistent colour even at 178/178 degrees and in pivot mode. With a remarkable performance, it is best suited to applications demanding colour accuracy and consistent brightness at all times like photo retouching, graphics applications and web browsing.
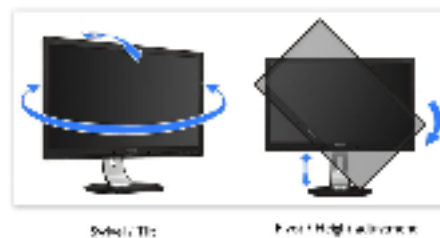
Flicker-Free technology

Because of the way brightness is controlled on LED-backlit screens, some users experience flicker on the screen, which causes eye fatigue. Philips Flicker-Free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

SmartImage

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and optimises your display performance. This user-friendly interface allows you to select various modes, like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time at the touch of a single button!

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

Built-in stereo speakers

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.

Webcam

Embedded webcam and microphone enables you to view and communicate with your colleagues and clients. This simple solution allows you to collaborate and share, saving precious time and travel-related costs.

USB Hub

Super-Speed USB 3.0 deploys a 5.0 gbit/s transfer rate, which is about 10 times faster than the USB 2.0 standard, significantly reducing data transfer time and saving you time and money. With more bandwidth, super-speed transfer rates, better power management and superior overall performance, USB 3.0 sets the latest global standard allowing you to use large-capacity storage devices. Sync-N-Go technology ensures you don't have to wait for bandwidth to be freed up any more. Your investment in USB 2.0 devices is protected as it is backwards-compatible.
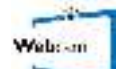
MHL technology

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.

LightSensor

Light Sensor uses a sensor to adjust the picture brightness depending on the ambient light conditions in the room for an optimised picture.

Specifications

Picture/Display
- LCD panel type: AH-IPS LCD
- Backlight type: W-LED system
- Panel Size: 23.8 inch/60.5 cm
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Response time (typical): 14 ms
- SmartResponse (typical): 5 ms (Grey to Grey)
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colours: 16.7 M
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- MHL: 1080p@30Hz
- sRGB

Connectivity
- Signal Input: VGA (Analogue), DVI-D (digital, HDCP), DisplayPort, MHL-HDMI (digital, HDCP)
- USB: USB 3.0 x 3 + faster charger
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Convenience
- Built-in Speakers: 2 W x 2
- Built-in webcam: 2.0 megapixel camera with microphone and LED indicator
- User convenience: SmartImage, Volume, PowerSensor, Menu, Power On/Off
- Control software: SmartControl Premium
- 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 (100 x 100 mm)
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8.1 / 8 / 7

Stand
- Height adjustment: 130 mm
- Pivot: 90 degree
- Swivel: -175/+175 degree
- Tilt: -5/20 degree

Power
- ECO mode: 14.8 W (typ.)
- On mode: 18.27 W (EnergyStar 6.0 test method)
- Standby mode: < 0.3 W (typ.)
- Off mode: Zero watts with AC switch
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: 100-240 VAC, 50-60 Hz, Built-in

Dimensions
- Product with stand (mm): 531 x 422 x 256 mm
- Product without stand (mm): 531 x 363 x 52 mm
- Packaging in mm (W x H x D): 619 x 525 x 184 mm

Weight
- Product with stand (kg): 6.47 kg
- Product without stand (kg): 3.98 kg
- Product with packaging (kg): 9.13 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: PowerSensor, LightSensor, EnergyStar 6.0, EPEAT Gold*, TCO edge, RoHS
- Recyclable packaging material: 100 %
- Post-consumer recycled plastic: 65%
- Specific Substances: PVC/BFR free housing, Mercury free, Lead free

Compliance and standards
- Regulatory Approvals: CE Mark, cETLus, FCC Class B, SEMKO, TCO 6.0, TUV Ergo, TUV/GS, WEEE, CCC, CECP, CU-EAC, EPA, E-standby, ICES-003, J-MOSS, KC, PSB, PSE

Cabinet
- Front bezel: Silver
- Rear cover: Black
- Foot: Black
- Finish: Texture

* 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
* For a complete list of MHL-enabled products, refer to www.mhlconsortium.org
* "AH-IPS" word mark/trademark and related patents on technologies belong to their respective owners.
* EPEAT Gold is valid only where Philips registers the product. Please visit www.epeat.net for registration status in your country.
* Smart response time is the optimum value from either GtG or GtG (BW) tests.