

# PHILIPS

## LCD monitor

### Monitor

V Line

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)

242V8A



## Vivid, crisp images beyond boundaries

Philips V line wide-view monitor gives viewing beyond boundaries, great value with essential features. Adaptive-Sync delivers smooth video display. Features like anti-glare, LowBlue mode, and flicker-free for easy-on-the eyes.

### Perfectly designed for your space

- VESA mount allows for flexibility

### Easy on the eyes

- EasyRead mode for a paper-like reading experience
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity

### Experience true multimedia

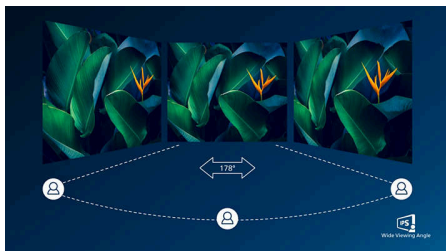
- DisplayPort connection for maximum visuals
- HDMI ensures universal digital connectivity
- Built-in stereo speakers for multimedia

### Vivid pictures every time

- SmartContrast for rich black details
- IPS LED wide view technology for image and color accuracy
- SmartImage presets for easy optimized image settings
- Effortlessly smooth action with Adaptive-Sync technology

# Highlights

## 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.

## SmartContrast



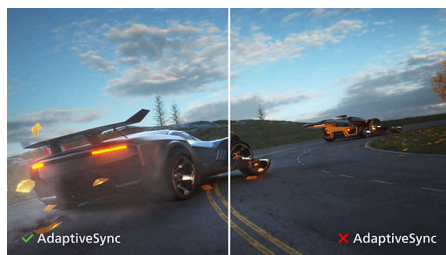
SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized 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 optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

## Adaptive-Sync technology



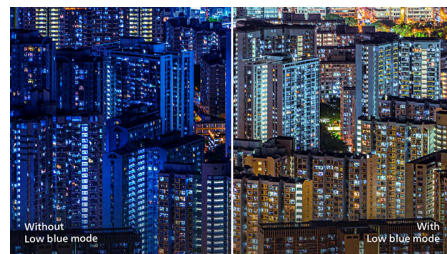
Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artifact-free performance at virtually any framerate with Adaptive-Sync technology, smooth quick refresh and ultra-fast response time.

## Flicker-free technology



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

## LowBlue Mode



Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

## EasyRead mode



EasyRead mode for a paper-like reading experience



Wide Viewing Angle



SmartImage™



Adaptive -Sync



Flicker-free



LowBlue Mode



EasyRead



Built-in Speaker



HIGH DEFINITION MULTIMEDIA INTERFACE

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242V8A/70

## Highlights

### Built-in stereo speakers



A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

### 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).

### DisplayPort connection



DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.



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## Specifications

### Picture/Display

Panel Size: 23.8 inch / 60.5 cm

Aspect ratio: 16:9

LCD panel type: IPS technology

Backlight type: W-LED system

Pixel pitch: 0.275 x 0.275 mm

Brightness: 250 cd/m<sup>2</sup>

Display colors: 16.7 M

Contrast ratio (typical): 1000:1

SmartContrast: Mega Infinity DCR

Response time (typical): 4 ms (GtG)\*

Viewing angle: 178° (H) / 178° (V), @ C/R > 10

Maximum resolution: 1920 x 1080 @ 75 Hz\*

Effective viewing area: 527 (H) x 296.5 (V)

Scanning Frequency: 30 -83 kHz (H) / 56 -76 Hz (V)

sRGB

Flicker-free

Pixel Density: 93 PPI

LowBlue Mode

Display Screen Coating: Anti-Glare, 3H, Haze 25%

EasyRead

Adaptive sync

### Connectivity

Signal Input: VGA (Analog), HDMI (digital, HDCP), DisplayPort x 1

Sync Input: Separate Sync, Sync on Green

Audio (In/Out): PC audio-in, Headphone out

### Convenience

Built-in Speakers: 2 W x 2

Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

User convenience: Power On/Off, Menu/OK, Brightness/UP, Input/Down, SmartImage/Back

OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Simplified Chinese, Swedish, Turkish, Traditional Chinese, Ukrainian

Other convenience: Kensington lock, VESA mount (100x100mm)

### Stand

Tilt: -5/20 degree

### Power

Power supply: Built-in, 100-240VAC, 50-60Hz

Off mode: 0.5 W (typ.)

On mode: 13.59 W (typ.) (EnergyStar test method)

Standby mode: 0.5 W (typ.)

Power LED indicator: Operation - White, Standby mode- White (blinking)

### Dimensions

Product with stand (mm): 540 x 416 x 220 mm

Packaging in mm (WxHxD): 606 x 395 x 124 mm

Product without stand (mm): 540 x 322 x 50 mm

### Weight

Product with packaging (kg): 4.86 kg

Product with stand (kg): 3.01 kg

Product without stand (kg): 2.73 kg

### Operating conditions

Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)

Temperature range (operation): 0°C to 40 °C

MTBF: 50,000 (Excluded backlight) hour(s)

Relative humidity: 20%-80 %

Temperature range (storage): -20°C to 60 °C

### Sustainability

Environmental and energy: EnergyStar 8.0, TCO Certified, RoHS, Mercury Free

Recyclable packaging material: 100 %

### Compliance and standards

Regulatory Approvals: CB, EPA, cETLus, CE Mark, TUV/GS, TUV Ergo, SEMKO, CU-EAC, PSB

### Cabinet

Color: Black

Finish: Textured

