



Philips  
3D LCD monitor, LED  
backlight with Easy 3D

**G Line**  
23" (58.4 cm)  
3D, FPR glasses

**236G3DHSB**

## Experience 3D gaming on your big screen

Engage yourself with 3D games on the Philips 236 G LED monitor. With a large display, flicker-free 3D glasses and multiple HDMI inputs, gaming just got more exciting!

### **Engaging 3D viewing experience**

- Easy 3D for a flicker-free gaming experience
- Flicker-free 3D glasses for easy viewing
- Play 3D games on your PC with bundled software
- Transform 2D to 3D with direct key access
- Auto 3D with the latest Blu-ray and game consoles with HDMI

### **Great picture quality**

- Full HD LED technology for brilliant 2D images
- 2 ms SmartResponse for fast 2D gaming
- SmartContrast 20,000,000:1 for incredible rich black details
- SmartImage: Optimised user-friendly display experience
- SmartControl: For easy display tuning

### **Greener every day**

- Mercury Free eco-friendly display
- Energy Star for energy efficiency and low power consumption

# PHILIPS

3D LCD monitor, LED backlight  
G Line 23" (58.4 cm), 3D, FPR glasses

236G3DHSB/00

# Highlights

## Easy 3D

Easy 3D ensures you get long hours of comfort while watching 3D thanks to the flicker-free, low ghosting performance. The compatible 3D glasses are lightweight and do not require batteries. Enjoy 3D easily at home today!

## Flicker-free 3D glasses

Entertain yourself with the light weight, easy-to-use polarised 3D glasses. These flicker free 3D glasses are not only easy to replace and maintain, but they are also affordable enough that finally your whole family has the option to obtain individual glasses. As there are no batteries or cables involved, you are now finally free to enjoy it as long as you want to.

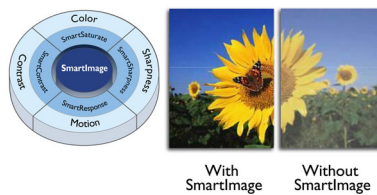
## Transform 2D to 3D

Transform your 2D collection to 3D at the push of a button! Easily accessible via a hot key on the bezel, this feature will re-invent your favourite 2D collection of games, movies and video to 3D.

## Auto 3D with HDMI

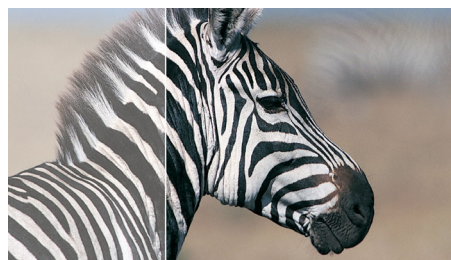
With Blu-ray gaming and movie players with HDMI 1.4a compatible connection, the Philips 3D display will auto-switch to 3D mode and give you awesome images straight away. No more fussing with adjustments!

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and gives you optimised display performance. This user-friendly interface allows you to select various modes like Office, Image, Entertainment, 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 with the press of a single button!

## SmartContrast ratio 20,000,000:1



You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight-boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent black level and accurate rendition of

dark shades and colours. It gives a bright, lifelike picture with high contrast and vibrant colours.

## SmartControl

PC software for fine tuning display performance and settings. Philips offers users two choices for display setting adjustment. Either navigate the multi-level On-Screen Display menu through buttons on the display itself or use the Philips SmartControl software to easily adjust the various display settings in a familiar way

## 2 ms SmartResponse



SmartResponse is an exclusive Philips overdrive technology that when turned on, automatically adjusts response times to specific application requirements like gaming and films, which require faster response times in order to produce judder, time-lag and ghost image free images

## Mercury Free

Philips monitors with LED backlighting are free from Mercury, one of the most toxic natural substances, which affects humans and animals. This reduces the environmental impact of the display throughout its lifecycle, from manufacturing to disposal.



# Specifications

## Picture/Display

- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Panel Size: 23 inch/58.4 cm
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Response time (typical): 5 ms
- SmartResponse: 2 ms in 2D mode (Grey to Grey)
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.265 x 0.265 mm
- Viewing angle: 170° (H)/160° (V), @ C/R > 10
- 3D Viewing angle: 80° (H)/12° (V), 3D CT<10
- Picture enhancement: SmartImage
- Display colours: 16.7 M
- Effective viewing area: 509.2 (H) x 286.4 (V) mm
- Scanning Frequency: 30 - 83 kHz (H) / 50 - 75 Hz (V)
- sRGB

## Connectivity

- Signal Input: HDMI x 2, VGA (Analogue)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

## Convenience

- User convenience: SmartImage, 3D, Power On/Off, Input, Menu
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7

## Stand

- Tilt: -5/+20 degree

## Power

- On mode: 23.85 W (typical) (energyStar 5.0 test method)

- Standby mode: 0.5 W (typ.)
- Off mode: <0.3 W
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: 100-240 VAC, 50-60 Hz, Built-in

## Dimensions

- Product with stand (mm): 566 x 426 x 219 mm
- Product without stand (mm): 566 x 355 x 54 mm
- Packaging in mm (W x H x D): 615 x 441 x 115 mm

## Weight

- Product with stand (kg): 3.26 kg
- Product without stand (kg): 3.03 kg
- Product with packaging (kg): 4.61 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% %
- MTBF: 30,000 hour(s)

## Sustainability

- Environmental and energy: EPEAT Silver, RoHS, EnergyStar 5.0, Lead-free, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, PSB, SASO, SEMKO, TUV Ergo, TUV/GS, UL/cUL, WEEE

## Cabinet

- Colour: Black
- Finish: Glossy/Texture

## 3D Requirements

- Software: Free Tridef 3D software bundle
- PC hardware: Requires AMD/nVidia VGA card\*
- Auto 3D: Requires HDMI 1.4a



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\* If you experience any discomfort such as dizziness, headache or disorientation, we recommend not watching 3D for extended periods of time.

\* Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age.

\* Please read the instruction manual carefully to learn more about 3D and health

\* For VGA card and other requirements for 3D operation, please visit [www.philips.com/support](http://www.philips.com/support) for further details.