



Philips  
3D LCD monitor, LED  
backlight

**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!

### **Great picture quality**

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

### **Greener every day**

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

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

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

# 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.

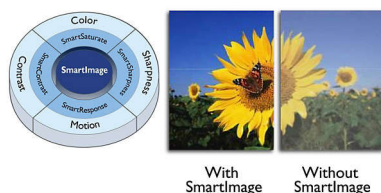
## Transform 2D to 3D

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.

## Energy Star 5.0

Energy Star is a US EPA sponsored energy efficiency programme also adopted by many other countries. Energy Star certification ensures that you are buying a product which meets the latest power efficiency standards and which operates with maximum power efficiency at all operational levels. New Philips monitors are certified for Energy Star 5.0 specifications and meet or exceed the standard. For example, in sleep mode Energy Star 5.0 requires less than 1 Watt power consumption, whereas Philips monitors consume less than 0.5 Watts. Further details can be obtained from [www.energystar.gov](http://www.energystar.gov)

## 3D games

Play 3D games on your PC with bundled software

## Full HD LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content, which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of the LCD backlight, resulting in a super high contrast ratio. It also gives superior colour reproduction thanks to consistent brightness across the screen.



# Specifications

## Connectivity

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

## Convenience

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

## Stand

- Tilt: -5/+20 degree

## Power

- Power supply: 100–240 VAC, 50–60 Hz, Built-in
- Off mode: <0.3 W

- On mode: 23.85 W (typical) (energyStar 5.0 test method)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)

## Dimensions

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

## Weight

- Product with packaging (kg): 4.61 kg
- Product with stand (kg): 3.26 kg
- Product without stand (kg): 3.03 kg

## Operating conditions

- 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: EPEAT Silver, RoHS, EnergyStar 5.0, 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

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



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[www.philips.com](http://www.philips.com)

\* 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.