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

G-line
23" / 58.4cm
3D, FPR glasses

236G3DHSB

Experience 3D gaming on your big display

Engage yourself with 3D games on the Philips 236G 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 latest Blu-ray and game consoles with HDMI

Great picture quality

- Full HD LED technology for brilliant 2D images
- 2ms SmartResponse for fast 2D gaming
- SmartContrast 20000000:1 for incredible rich black details
- SmartImage: Optimized user friendly display experience
- SmartControl : For easy display tuning

Greener everyday

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

PHILIPS

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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 polarized 3D glasses. These flicker free 3D glasses are not only easy to replace and maintain, but they are also affordable that finally your whole family has 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.
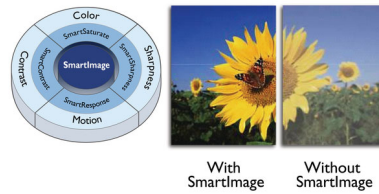
Transform 2D to 3D

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 favorite 2D collection of games, movies and video to 3D.
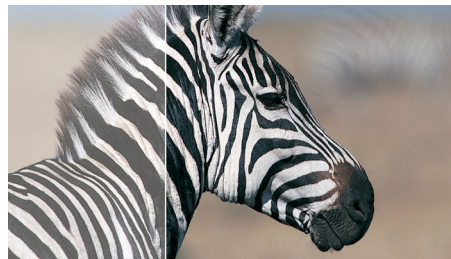
Auto 3D with HDMI

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

With SmartImage   Without 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, Image, Entertainment, 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!

SmartContrast ratio 20000000:1

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 blacklevel and accurate rendition of dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors.

SmartControl

PC software for fine tuning display performance and settings. Philips offers users two choices for display setting adjustment. Either navigate the multilevel 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

2ms SmartResponse

2ms GtG response time   > 2ms GtG response time

SmartResponse is a exclusive Philips overdrive technology that when turned on, automatically adjusts response times to specific application requirements like gaming and movies 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 of Mercury content, one of the most toxic natural substances which affects humans and animals. This allows for a eco-friendly display through out its life-cycle 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 @ 60Hz
- Response time (typical): 5 ms
- SmartResponse: 2 ms in 2D mode (Gray to Gray)
- Brightness: 250 cd/m²
- 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 colors: 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: HDMIx2, VGA (Analog)
- 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 & 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 (blinking)
- Power supply: 100-240VAC, 50-60Hz, 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 (WxHxD): 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
- Color: 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

Issue date 2022-04-21

Version: 2.0.1

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EAN: 87 12581 63918 1

* 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 carefully read the instruction manual to learn more about 3D and health
* For VGA card and other requirements for 3D operation, please visit www.philips.com/support for further details.