



Philips Brilliance
LCD monitor with
SmartImage

Gioco
23" (58.4 cm)
3D, FPR glasses

Brilliance

238G4DHSD

Stylish, high performance display

for immersive 3D gaming

Intensify your gaming experience with this stylish Philips Gioco 3D display. With its iconic design using ultra narrow bezel, brilliant colors and superb flicker free 3D performance, the Philips Gioco is ready to immerse you in gaming!

Brilliant performance

- AH-IPS display for brilliant images with vivid colors
- SmartControl : For easy display tuning
- HDMI-ready for Full HD entertainment

Immersive 3D gaming

- Flicker free 3D performance
- Play 3D games on your PC with bundled software
- Auto 3D with latest Blu-ray and game consoles with HDMI
- Transform 2D to 3D with direct key access
- SmartImage game mode optimized for gamers

Iconic design reflects your lifestyle

- Minimalistic looks with Ultra Narrow Bezel
- Iconic design with diamond faceted back
- Superb black cherry glossy finish

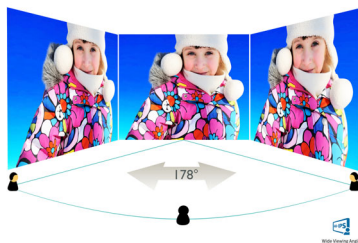


2013

PHILIPS

Highlights

AH-IPS technology



This latest Philips display uses advanced AH-IPS panels resulting in superior color reproduction, response time and power consumption. Unlike standard TN panels, AH-IPS panels show consistent color even at 178 degrees wide angles and in pivot mode. With remarkable performance, AH-IPS is best suited for applications demanding color accuracy and consistent brightness at all times like photo retouching, graphics applications and web browsing.

Ultra Narrow Bezel

Utilizing latest technology panels, the new Philips displays are designed with minimalistic approach by limiting the outer bezel thickness to about 2.5mm. Combined with in-panel black matrix strip of around 9mm, the overall bezel dimensions are reduced significantly allowing for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphics design and professional applications, the Ultra narrow bezel display gives you the feeling of using one large display.

Flicker free 3D

Flicker free 3D ensures that you get long hours of comfortable entertainment. It's affordable, light weight zero flicker glasses do not require any batteries or cable connections. Now finally you can set yourself free from all the hassles and enjoy 3D performance with your family !

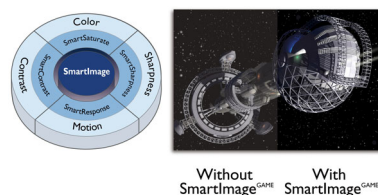
Auto 3D with HDMI

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!

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.

SmartImage Game mode



The new Philips gaming display has quick access OSD fine tuned for gamers, offering you multiple options. "FPS" mode (First person shooting) improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts display with

fastest response time, high color, along with image adjustments. "RTS" mode (Real time strategy) has a special SmartFrame mode which enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customized settings based on different games, ensuring best performance.

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

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).



product
design award

2013

iF Product Design Award

Philips Gioco wins iF design award
Excellent product design.
The iconic design slim

Philips Gioco 3D monitor with Ambiglow technology gives you immersive gaming. Its minimalistic ultra narrow bezel with AHIPS screen ensures brilliant images and underpins its tag line "Brilliant Ambiglow display"



Specifications

Picture/Display

- LCD panel type: IPS 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): 14 ms
- SmartResponse: 7 ms in 2D mode
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.265 x 0.265 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- 3D Viewing angle: 60° @ 3D CT < 10
- Picture enhancement: SmartImage game
- 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: VGA (Analog), HDMI x2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

Convenience

- User convenience: 3D/Up, SmartImage game/Back, Input, Menu/OK, Power On/Off
- 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, Windows 8

Stand

- Tilt: -5/+20 degree

Power

- On mode: 22.69 W (typ.) (energyStar 5.0 test method)
- Standby mode: 0.5 W (typ.)

- Off mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (blinking)
- Power supply: 100-240VAC, 50-60Hz, External

Dimensions

- Product with stand (mm): 533 x 414 x 197 mm
- Product without stand (mm): 533 x 324 x 44 mm
- Packaging in mm (WxHxD): 591 x 460 x 134 mm

Weight

- Product with stand (kg): 3.80 kg
- Product without stand (kg): 3.35 kg
- Product with packaging (kg): 5.92 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 30,000 hour(s)

Sustainability

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

Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, SEMKO, TCO certified, TUV/ISO9241-307, UL/cUL, WEEE

Cabinet

- Color: Black Cherry
- Finish: Glossy

3D Requirements

- Software: Free Tridef 3D software bundle
- PC hardware: Requires AMD/nVidia VGA card*, 2D to 3D: Support all 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 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.