



Philips Brilliance
LCD monitor with
SmartImage

Gioco

23" (58.4 cm)
3D, FPR glasses

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

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

Iconic design reflects your lifestyle

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

Immersive 3D gaming

- 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
- Play 3D games on your PC with bundled software
- Flicker free 3D performance

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!

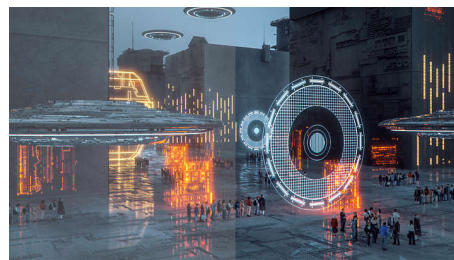
3D games

Play 3D games on your PC with bundled software

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

Diamond faceted back design

Iconic design with diamond faceted back

HDMI Ready

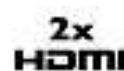


HDMI-ready

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).

Superb black cherry

Superb black cherry glossy finish



Specifications

Connectivity

- Signal Input: VGA (Analog), HDMI x 2
- 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: IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.265 x 0.265 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 14 ms
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage game
- SmartResponse: 7 ms in 2D mode
- 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: 60° @ 3D CT < 10

Convenience

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

Stand

- Tilt: -5/+20 degree

Power

- Power supply: 100-240VAC, 50-60Hz, External
- Off mode: 0.3 W (typ.)
- On mode: 22.69 W (typ.) (energyStar 5.0 test

method)

- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

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

Weight

- Product with packaging (kg): 5.92 kg
- Product with stand (kg): 3.80 kg
- Product without stand (kg): 3.35 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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: EnergyStar 5.0, RoHS, 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

- Auto 3D: Requires HDMI 1.4a
- PC hardware: Requires AMD/nVidia VGA card*, 2D to 3D: Support all VGA card
- Software: Free Tridef 3D software bundle



Issue date 2024-03-24

Version: 3.0.1

EAN: 87 12581 66095 6

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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.