Philips Gioco
LCD Gaming monitor

G Line
22 (Viewable 21.5" / 54.6 cm)
Full HD (1920 x 1080)

223G5LHSB

Intensify your gaming experience

with ultra-fast response

Intensify your gaming experience with this Philips Gioco gaming monitor. 1 MS response time gives you the edge over lightning fast competitors. Flicker-free technology relieves eye fatigue for long gaming sessions. Dominate with Gioco.

Brilliant Gaming Performance
- SmartResponse: 1ms response for fast gaming
- 16:9 Full HD display for crisp detailed images
- HDMI-ready for Full HD entertainment

Features designed for gamers needs
- SmartImage game mode optimized for gamers
- SmartSize allows you to play on different screen sizes
- Less eye fatigue with Flicker-free technology
- VESA mount for convenience

PHILIPS

Highlights

SmartResponse 1ms

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
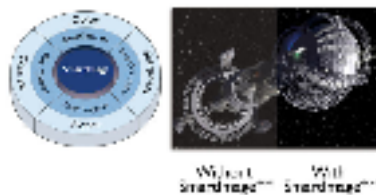
16:9 Full HD display

Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

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).

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.

SmartSize

SmartSize allows you to change the screen view of this Philips gaming display to suit your preference. Using the SmartSize function, you can easily swap to different screen sizes. Now, you have the flexibility to simulate and practice gaming in different sizes, while using a single display.

Flicker-free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

Specifications

Picture/Display
- LCD panel type: TFT-LCD (TN)
- Backlight type: W-LED system
- Panel Size: 21.5 inch / 54.6 cm
- Aspect ratio: 16:9
- Standard resolution: 1920x1080 @ 60Hz
- Response time (typical): 5 ms
- SmartResponse (typical): 1 ms
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.248 x 0.248 mm
- Viewing angle: 170° (H) / 160° (V), @ C/R > 10
- Picture enhancement: SmartImage game
- Display colors: 16.7 M
- Effective viewing area: 476.64 (H) x 268.11 (V) mm
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB

Connectivity
- Signal Input: VGA (Analog), HDMI (digital, HDCP)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

Convenience
- User convenience: SmartImage game/Back, Input/Down, SmartSize/Up, Menu/OK, Power On/Off
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukranian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8.1

Stand
- Tilt: -5/+20 degree

Power
- On mode: 20.42 W (typ.), 23.76 W (max.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: 100-240VAC, 50-60Hz, Built-in

Dimensions
- Product with stand(max height): 503 x 376 x 213 mm
- Product without stand (mm): 503 x 316 x 50 mm
- Packaging in mm (WxHxD): 555 x 414 x 107 mm

Weight
- Product with stand (kg): 2.61 kg
- Product without stand (kg): 2.35 kg
- Product with packaging (kg): 3.87 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: 50,000 (Excluded backlight) hour(s)

Sustainability
- Environmental and energy: EPEAT Silver, EnergyStar 6.0, RoHS, Lead-free, Mercury Free
- Recyclable packaging material: 100 %

Compliance and standards
- Regulatory Approvals: CE Mark, FCC Class B, TUV/ISO9241-307, cETLus, INMETRO, EPA

Cabinet
- Color: Black
- Finish: Textured

* Smart response time is the optimum value from either GtG or GtG (BW) tests.