



Philips Brilliance  
LCD monitor with  
SmartImage Game

**144Hz**  
24" (61 cm)

**Brilliance**



**242G5DJEB**

## 144Hz Gaming

This advanced Philips gaming display redraws the screen up to 144 times per second for ultra smooth, brilliant images. SmartFrame helps you highlight specific screen area. Special gaming pre-sets and remote Smart Keypad keeps you in control

### Brilliant Gaming

- 144Hz refresh rates for ultra-smooth, brilliant images
- FPS, RTS, Racing presets intensifies gaming experience
- SmartFrame highlights area to spot your opponents easily
- SmartKeypad enables quick access to your gaming presets
- Gamer modes enables you to save your preferences
- SmartSize allows you to play on different screen sizes

### Entertainment with Mobile HD Link (MHL)

- MHL technology for enjoying mobile content on big screen
- Optional MHL cable allows for HD video audio playback
- USB 3.0 enables fast data transfers and smart phone charging

### Brilliant performance

- SmartConnect with HDMI, Display port and Dual link DVI
- SmartImage game mode optimized for gamers
- SmartResponse 1ms refresh for fast gaming

**PHILIPS**

# Highlights

## 144Hz Gaming



You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 144 times per second, effectively 2.4x faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 144Hz frame rate, you get those critical missing images on the screen which shows enemy movement in ultra-smooth motion so you can easily target them. With ultra-low input lag and no screen tearing, this Philips display is your perfect gaming partner

## MHL technology



Mobile High Definition Link (MHL) is a mobile audio/video interface for directly connecting mobile phones and other portable devices to high-definition displays. An optional MHL cable allows you to simply connect your MHL capable mobile device to this large Philips MHL display, and watch your HD videos come to life with full digital sound. Now not only you can enjoy your mobile games, photos, movies, or other apps on its big screen, you can simultaneously charge your mobile device so you never run out of power half way.

## 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.

## SmartFrame



SmartFrame enables you to spot your opponents easily by highlighting a specific area on the screen. By boosting the gain level of RGB in the selected area, it allows you to give more attention to that specific part of the screen where you expect sudden enemy movement. You can also adjust size and image to your preference. It is especially suitable for RTS- Real Time Strategy mode games.

## SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections

like Dual link DVI, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB 3.0 option ensures that you can have super speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

## 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.

## SmartKeypad



SmartKeypad is a specially designed remote controller that connects to this Philips gaming display. It enables fast and convenient access to your gaming presets with 2 quick key access buttons, allowing you to save and activate two personalized custom settings either for gaming or other purposes. With additional up and down function keys, you can now easily navigate in the OSD menu and settings directly.



# Specifications

## Picture/Display

- LCD panel type: TFT-LCD (TN)
- Backlight type: W-LED system
- Panel Size: 24 inch / 61 cm
- Aspect ratio: 16:9
- Maximum resolution: 1920x1080 @ 144Hz (Dual-link DVI/DP)
- Optimum resolution: 1920x1080 @ 120Hz (Dual-link DVI/DP)
- Standard resolution: 1920x1080 @ 60Hz (VGA, HDMI, Dual-link DVI, DP)
- Response time (typical): 5 ms
- SmartResponse: 1 ms (Gray to Gray)\*
- Brightness: 350 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 80,000,000:1
- Pixel pitch: 0.277 x 0.277 mm
- Viewing angle: 170° (H) / 160° (V), @ C/R > 10
- Picture enhancement: SmartImage game
- Display colors: 16.7 M
- Effective viewing area: 531.36 (H) x 298.89 (V) mm
- Scanning Frequency: 30 - 160 kHz (H) / 50 - 146 Hz (V)
- MHL: 1080p@30Hz
- sRGB

## Connectivity

- Signal Input: VGA (Analog), DVI-Dual Link (digital, HDCP), HDMI (digital, HDCP), MHL-HDMI (digital, HDCP), DisplayPort 1.2, USB3.0x4 with 1x fast charger, Smart keypad x 1
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

## Convenience

- User convenience: SmartImage game/Back, Power On/Off, SmartSize/Up, Menu/OK, Input
- 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, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8

## Stand

- Height adjustment: 130 mm
- Pivot: 90 degree
- Swivel: -65/65 degree
- Tilt: -5/+20 degree

## Power

- On mode: 18.58 W (typ.) (EnergyStar 6.0 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

## Dimensions

- Product with stand(max height): 565 x 517 x 220 mm
- Product without stand (mm): 565 x 354 x 63 mm
- Packaging in mm (WxHxD): 631 x 422 x 287 mm

## Weight

- Product with stand (kg): 6.27 kg
- Product without stand (kg): 4.13 kg
- Product with packaging (kg): 8.84 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: EnergyStar 6.0, RoHS, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, PSB, SASO, SEMKO, TCO Certified, TUV Ergo, TUV/GS, cETLus, WEEE

## Cabinet

- Color: Black
- Finish: Texture



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\* This Philips display is capable of achieving upto 144Hz refresh rates thru its Dual-link DVI and DisplayPort connector. Please ensure your graphics card is capable of 144Hz refresh rates and updated with the latest driver.

\* For any questions related to 144Hz performance please refer to your card vendor directly.

\* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.

\* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality

\* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work