

Philips

LCD monitor with SmartImage Game

- 144Hz
- 24" (61 cm)

[242G5DJEB/27](#)

144Hz Gaming

This advanced Philips gaming display redraws the screen upto 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

Benefits

Brilliant Gaming

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

Entertainment with Mobile HD Link (MHL)

- MHL technology for enjoying mobile content on big screen

- USB 3.0 enables fast data transfers and smart phone charging
- Optional MHL cable allows for HD video audio playback

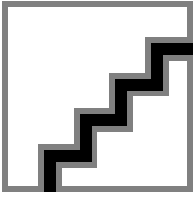
Brilliant performance

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

PHILIPS

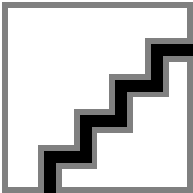
Features

144Hz Gaming



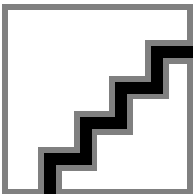
You play intense, competitive gaming. You demand display with lag free, ultra smooth images. This Philips display redraws the screen image upto 144 times per second, effectively 2.4x faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making 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



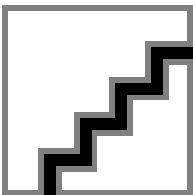
Mobile High Definition Link (MHL) is a mobile audio/video interface for directly connecting mobile phones and other portable devices to high-definition displays. An optional MHL cable allows you to simply connect your MHL capable mobile device to this large Philips MHL display, and watch your HD videos 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

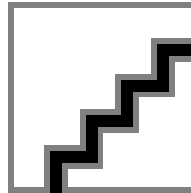


SmartFrame enables you to spot your opponents easily by highlighting a specific area on the screen. By boosting the gain level of RGB in the selected area, it allows you to give more attention to that specific part of the screen where you expect sudden enemy movement. You can also adjust size and image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

SmartConnect

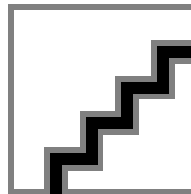
With a plethora of connectivity, these Philips displays come equipped with multi connections like Dual link DVI, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB 3.0 option ensures that you can have super speed data transfers while 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.

USB 3.0 super speed

Super Speed USB 3.0 deploys 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer time saving you time and money. With more bandwidth, super speed transfer rates, better power management and superior overall performance, USB 3.0 sets the latest global standard allowing you to use the large capacity storage devices. Sync-N-Go technology ensures you don't have to wait anymore for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backward compatible.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

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 ²
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	Yes

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
Sync Input	Smart keypad x 1 Separate Sync Sync on Green
Audio (In/Out)	HDMI audio out

Convenience

User convenience	SmartImage game/Back Power On/Off SmartSize/Up Menu/OK
OSD Languages	Input 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 with stand(max height)	22.2 x 20.4 x 8.7 inch
Product without stand (mm)	565 x 354 x 63 mm
Product without stand in inch	22.2 x 13.9 x 2.5 inch
Packaging in mm (WxHxD)	631 x 422 x 287 mm
Packaging in inch (WxHxD)	24.8 x 16.6 x 11.3 inch

Weight

Product with stand (kg)	6.27 kg
Product with stand (lb)	13.79 lb
Product without stand (kg)	4.13 kg
Product without stand (lb)	9.09 lb
Product with packaging (kg)	8.84 kg
Product with packaging (lb)	19.45 lb

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 6.0 RoHS Lead-free Mercury Free
Recyclable packaging material	100 %

Compliance and standards

Regulatory Approvals	BSMI CE Mark FCC Class B GOST PSB SASO SEMKO
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TCO certified
TUV Ergo
TUV/GS
cETLus
WEEE

Cabinet

Color
Finish

Black
Texture

- * 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



data subject to change
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