Philips

LCD monitor with SmartImage Game

• 144 Hz
• 24"/61 cm

242G5DJEB/00

144 Hz Gaming

This advanced Philips gaming display redraws the screen up to 144 times per second for ultra-smooth, brilliant images.

SmartFrame helps you highlight a specific screen area. Special gaming pre-sets and remote Smart Keypad keep you in control

Benefits

Brilliant Gaming

• 144 Hz refresh rates for ultra-smooth, brilliant images
• SmartFrame highlights areas for spotting your opponents easily
• SmartSize allows you to play on different screen sizes
• SmartKeypad enables quick access to your gaming pre-sets
• Gamer modes enable you to save your preferences
• FPS, RTS, Racing pre-sets intensify gaming experience

Entertainment with Mobile HD Link (MHL)

• MHL technology for enjoying mobile content on a 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 optimised for gamers
• SmartConnect with HDMI, Display port and Dual link DVI
• SmartResponse 1 ms refresh for fast gaming

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Features

144 Hz Gaming

You play intense, competitive games. You demand a display with lag-free, ultra-smooth images. This Philips display redraws the screen image up to 144 times per second, effectively 2.4 x 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 a 144 Hz frame rate, you get those critical missing images on the screen, showing enemies' 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 can you 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 halfway.

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 the display with the fastest response time and high colour, along with image adjustments. "RTS" mode (Real-time strategy) has a special SmartFrame mode that enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customised 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 and universal HDMI connector, enabling you to enjoy high-resolution uncompressed video and audio content. The 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 between 10 different screen sizes: 17" (5:4), 19" (5:4), 18.5" (16:9), 19"W (16:10), 19.5" (16:9), 20" (16:9), 21.5"W (16:9), 22"W (16:10), 23"W (16:9) and 24"W (16:9). Now you have the flexibility to simulate and practise 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 pre-sets with 2 quick key access buttons, allowing you to save and activate two personalised custom settings either for gaming or for 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 a 5.0 gbit/s transfer rate, which is about 10 times faster than the USB 2.0 standard, significantly reducing data transfer time and 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 large-capacity storage devices. Sync-N-Go technology ensures you don't have to wait for bandwidth to be freed up any more. Your investment in USB 2.0 devices is protected as it is backwards-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		Pivot	90 degree
Maximum resolution	1920 x 1080 @ 144 Hz (Dual-link DVI/DP)		Swivel	-65/65 degree
			Tilt	-5/+20 degree

Aspect ratio	16:9
Maximum resolution	1920 x 1080 @ 144 Hz (Dual-link DVI/DP)
Optimum resolution	1920 x 1080 @ 120 Hz (Dual-link DVI/DP)
Standard resolution	1920 x 1080 @ 60 Hz (VGA, HDMI, Dual-link DVI, DP)*
SmartResponse	1 ms (Grey to Grey)*
Brightness	350 cd/m²
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 colours	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 (Analogue)
	DVI-Dual Link (digital, HDCP)
	HDMI (digital, HDCP)
	MHL-HDMI (digital, HDCP)
	DisplayPort 1.2
	USB 3.0 x 4 with 1 x 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 (100 x 100 mm)
Plug and Play Compatibility	DDC/CI
	Mac OS X
	sRGB
	Windows 7
	Windows 8

Stand

Height adjustment	130 mm

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 (flashing)
Power supply	100-240 VAC, 50-60 Hz

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 (W x H x D)	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: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
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
	TCO certified
	TUV Ergo
	TUV/GS
	cETLus
	WEEE

Cabinet

Colour	Black
Finish	Texture

* This Philips display is capable of achieving up to 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 144 Hz 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, if your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for instructions. The policy of your device manufacturer may require you to purchase its brand-specific MHL cable or adapter in order for it to work

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data subject to change
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