



LCD monitor with SmartImage

- Gioco
- 23" (58.4 cm)
- 3D, FPR glasses

238G4DHSD/00

Stylish, high performance display

for immersive 3D gaming

Intensify your gaming experience with this stylish Philips Gioco 3D display. With it's iconic design using ultra narrow bezel, brilliant colors and superb flicker free 3D performance, the Philips Gioco is ready to immerse you in gaming!

Benefits

Brilliant performance

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

Immersive 3D gaming

- Flicker free 3D performance
- Auto 3D with latest Blu-ray and game consoles with HDMI
- Play 3D games on your PC with bundled software

- Transform 2D to 3D with direct key access
- SmartImage game mode optimized for gamers

Iconic design reflects your lifestyle

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

PHILIPS

Features

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 minimalist 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 !

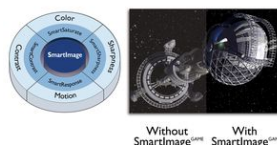
Auto 3D with HDMI

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!

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

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).

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	IPS LCD
Backlight type	W-LED system
Panel Size	23 inch / 58.4 cm
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 60Hz
Response time (typical)	14 ms
SmartResponse	7 ms in 2D mode
Brightness	250 cd/m ²
Contrast ratio (typical)	1000:1
SmartContrast	20,000,000:1
Pixel pitch	0.265 x 0.265 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
3D Viewing angle	60° @ 3D CT < 10
Picture enhancement	SmartImage game
Display colors	16.7 M
Effective viewing area	509.2 (H) x 286.4 (V) mm
Scanning Frequency	30 - 83 kHz (H) / 50 - 75 Hz (V)
sRGB	Yes

Connectivity

Signal Input	VGA (Analog) HDMIx2
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	HDMI audio out

Convenience

User convenience	3D/Up SmartImage game/Back Input Menu/OK Power On/Off
OSD Languages	English French German Italian Portuguese Russian Simplified Chinese

Other convenience	Spanish	Temperature range (storage)	-20°C to 60°C °C
Plug & Play Compatibility	Kensington lock	Relative humidity	20%-80 %
	DDC/CI	Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
	Mac OS X	MTBF	30,000 hour(s)
	sRGB		
	Windows 7		
	Windows 8		
Stand			
Tilt	-5/+20 degree	Sustainability	
		Environmental and energy	EPEAT Silver
			EnergyStar 5.0
			RoHS
			Lead-free
			Mercury Free
		Recyclable packaging material	100 %
Power			
On mode	22.69 W (typ.) (energyStar 5.0 test method)	Compliance and standards	
Standby mode	0.5 W (typ.)	Regulatory Approvals	BSMI
Off mode	0.3 W (typ.)		CE Mark
Power LED indicator	Operation - White		FCC Class B
	Standby mode- White (blinking)		GOST
Power supply	100-240VAC, 50-60Hz		SEMKO
	External		TCO certified
			TUV/ISO9241-307
Dimensions			
Product with stand (mm)	533 x 414 x 197 mm		UL/cUL
Product without stand (mm)	533 x 324 x 44 mm		WEEE
Packaging in mm (WxHxD)	591 x 460 x 134 mm	Cabinet	
		Color Finish	Black Cherry
			Glossy
Weight			
Product with stand (kg)	3.80 kg	3D Requirements	
Product without stand (kg)	3.35 kg	Software	Free Tridef 3D software bundle
Product with packaging (kg)	5.92 kg	PC hardware	Requires AMD/nVidia VGA card*
		Auto 3D	2D to 3D: Support all VGA card
			Requires HDMI 1.4a
Operating conditions			
Temperature range (operation)	0°C to 40°C °C		

* 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.



data subject to change
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