Quad HD gaming monitor

- Evnia 5000
- 27" (68.5 cm)
- 2560 x 1440 (QHD)

27M1C5500VL/89

Feel your game

This Philips gaming monitor delivers crystal-clear visuals and smooth gameplay. Sync technology, 165Hz refresh rate with HDR create a lifelike experience. The slim-frame display with Ultra Wide-Color enhances visual immersion.

Benefits

The gaming advantage is yours
- 165Hz refresh rates for ultra-smooth, brilliant images
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- Low input lag reduces time delay between devices to monitor
- SmartImage game mode optimized for gamers

Immersive visuals
- Curved display design for more immersive experience
- VA display delivers awesome images with wide viewing angles

- Crystalclear images with Quad HD 2560 x 1440 pixels
- SmartImage HDR gives optimal viewing from your HDR content

Features designed for you
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- EasySelect menu toggle key for quick on-screen menu access

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Curved Gaming Monitor

Features

Curved display design

Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.

165Hz Gaming

You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 165 times per second, effectively 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 165Hz 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

1ms MPRT fast response

MPRT (motion picture response time) is more intuitive way to describe the response time, which directly refers the duration from seeing blurry noise to clean and crisp images. Philips gaming monitor with 1 ms MPRT effectively eliminates smearing and motion blur, delivers shaper and precise visuals to enhance gaming experience. Best choice for playing thrilling and twitch-sensitive games.

Low Input Lag

Input lag is the amount of time that elapses between performing an action with connected devices and seeing the result on screen. Low input lag reduces the time delay between entering a command from your devices to monitor, greatly improve on playing twitch-sensitive video games, particularly important to whom plays fast-paced, competitive games.

VA display

Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

Crystalclear images

These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

SmartImage HDR

Select one of SmartImage HDR modes to best suit your needs. HDR Game: Optimize for playing video games. With brighter white and darker black, the gaming scene is vivid and revealing more details, easily spot enemies hiding in the dark corner and shadows. HDR Movie: Ideal for watching HDR movie. Deliver better contrast and brightness for more realistic and immerse viewing experience. HDR Photo: Enhance red, green, and blue for lively visuals. DisplayHDR: VESA DisplayHDR certified*. Personal: Customize settings in picture menu. *Please refer to specification for HDR grade.

LowBlue Mode & Flicker-free

Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

Curved Gaming Monitor

EasySelect Menu Toggle Key

The discreetly placed EasySelect Menu Toggle Key allows you to make quick and easy adjustments to monitor settings in the On-Screen Display menu.

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.

Specifications

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Picture/Display

LCD panel type	VA LCD
Backlight type	W-LED system
Panel Size	27 inch / 68.5 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	596.736 (H) x 335.664 (V) - at a 1500R curvature*
Aspect ratio	16:9
Maximum resolution	HDMI: 2560 x 1440 @ 144 Hz, DP: 2560 x 1440 @ 165 Hz*
Pixel Density	108.79 PPI
Response time (typical)	4 ms (Gray to Gray)*
MPRT	1 ms
Low Input Lag	Yes
Brightness	250 cd/m²
SmartContrast	Mega Infinity DCR
Contrast ratio (typical)	4000:1
Pixel pitch	0.2331 x 0.2331 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Color gamut (typical)	NTSC 95.6%*, sRGB 126.5%*
HDR	HDR 10 supported
Picture enhancement	SmartImage game
Display colors	16.7 M (8 bit)
Scanning Frequency	HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V), DP: 30 - 250 kHz (H) / 48 - 165 Hz* (V)
LowBlue Mode	Yes
EasyRead	Yes
sRGB	Yes
Adaptive sync	Yes

Connectivity

Signal Input	HDMI 2.0 x 2, DisplayPort 1.4 x 1
HDCP	HDCP 1.4 (HDMI / DisplayPort), HDCP 2.2 (HDMI / DisplayPort)
Audio (In/Out)	Audio out
Sync Input	Separate Sync

Convenience

User convenience	Power On/Off
	Menu/OK
	Input/Up
	Game Settings/Down
	SmartImage game/Back
OSD Languages	Brazil Portuguese
	Czech
	Dutch
	English
	Finnish
	French
	German
	Greek
	Hungarian
	Italian
	Japanese
	Korean
	Polish
	Portuguese
	Russian
	Spanish
	Simplified Chinese
	Swedish
	Turkish
	Traditional Chinese
	Ukrainian
Other convenience	Kensington lock
	VESA mount (100x100mm)
Plug & Play Compatibility	DDC/CI
	Mac OS X
	sRGB
	Windows 11 / 10 / 8.1 / 8 / 7

Stand

Tilt	-5/20 degree

Power

On mode	38.7 W (typ.)
Standby mode	0.5 W (typ.)

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Off mode	0.3 W (typ.)	Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
Power LED indicator	Operation - White Standby mode- White (blinking)	MTBF	50,000 (Excluded backlight) hour(s)
Power supply	Internal 100-240VAC, 50-60Hz		

Dimensions

Product with stand(max height)	611 x 447 x 193 mm
Product without stand (mm)	611 x 366 x 83 mm
Packaging in mm (WxHxD)	730 x 469 x 226 mm

Weight

Product with stand (kg)	5.49 kg
Product without stand (kg)	4.18 kg
Product with packaging (kg)	9.20 kg

Operating conditions

Temperature range (operation)	0°C to 40 °C
Temperature range (storage)	-20°C to 60 °C
Relative humidity	20%-80 %

Sustainability

Environmental and energy	RoHS
Recyclable packaging material	100 %
Specific Substances	Mercury free PVC / BFR free housing

Compliance and standards

Regulatory Approvals	CB CE Mark FCC Class B ICES-003 CU-EAC EAEU RoHS TUV/ISO9241-307 TUV-BAUART

Cabinet

Color	Black
Finish	Textured

* Radius of the arc of the display curvature in mm
* The maximum resolution works for DP input only.
* For best output performance, please always ensure that your graphic card is capable of achieving the maximum resolution and refresh rate of this Philips display.
* Response time value equal to SmartResponse
* MPRT is to adjust brightness for blur reduction, so cannot adjust brightness while MPRT is turned on. To reduce motion blur, LED backlight will strobe synchronously with screen refresh, which may cause noticeable brightness change.
* MPRT is gaming-optimized mode. Turn on MPRT may cause noticeable screen flickering. It is recommended to turn off when you are not using the gaming function.
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* The monitor may look different from feature images.

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