PHILIPS

Your gaming experience to the utmost

This monitor is equipped for any game. With its 1ms MPRT, 180Hz refresh rate, and Quad HD resolution, it is made to bring gamers an all-around and visually pleasing gaming experience.

Features designed for gamers needs
- LowBlue Mode for easy on-the-eyes productivity
- SmartImage game mode optimized for gamers
- EasySelect menu toggle key for quick on-screen menu access
- New OSD features for much more engaging gaming experience
- SmartErgoBase enables people-friendly ergonomic adjustments

Built for fast action
- 180Hz refresh rates for ultra-smooth, brilliant images
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- SmartImage game mode optimized for gamers

Immersive visuals
- IPS LED wide view technology for image and color accuracy
- Crystalclear images with Quad HD 2560 x 1440 pixels
- 1.07 billion colors for stunning color and finest gradations
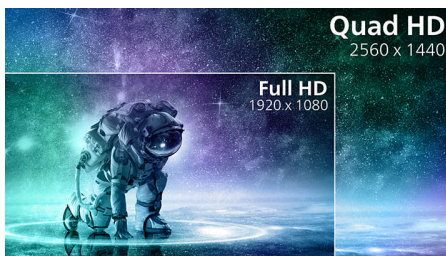- DisplayHDR 400 for more lifelike and outstanding visuals

Highlights

IPS technology

IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

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, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions,
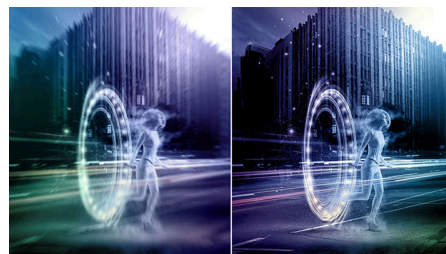
using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

180Hz Gaming

You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This display redraws the screen image up-to 180 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 180Hz 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.
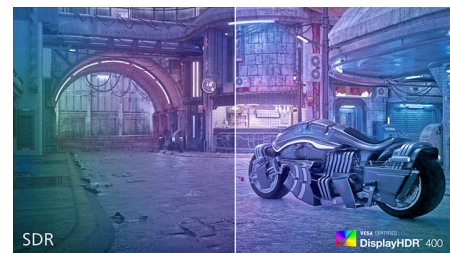
1ms MPRT fast response

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.

DisplayHDR 400

VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike, other 'HDR compatible' screens, true DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and minimum 400 nits brightness, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.
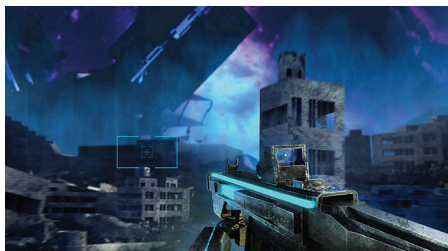
Highlights

New features for better gaming

Philips Evnia is equipped with new features in OSD (on-screen display). Smart MBR Sync enables a great pair of MPRT together with Adaptive-sync, eliminating motion blur and ghosting while guaranteeing sharp and speedy gaming visuals with high frame rates. Smart ShadowBoost enhances dark scenes, allowing more details without overexposure. Smart Crosshair lets you never miss a single target.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

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.

Quad HD   180Hz   Fast Response 1ms MPRT   LowBlue Mode   EasySelect   VESA CERTIFIED DisplayHDR 400

Gaming Monitor

Quad HD gaming monitor

27M2N5510J/69

Specifications

Picture/Display

Panel Size: 27 inch / 68.5 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.2331 x 0.2331 mm
Brightness: 400 cd/m²
Display colors: 1.07B (8-bits+FRC)
Color gamut (typical): DCI-P3:89.99%, sRGB: 121.63%, NTSC 103.10%, Adobe RGB 101.33%*
Contrast ratio (typical): 1000:1
SmartContrast: Mega Infinity DCR
Response time (typical): 1 ms (Gray to Gray)*
Viewing angle: 178º (H) / 178º (V), @ C/R > 10
Picture enhancement: SmartImage game
Maximum resolution: 2560 x 1440 @ 144 Hz (HDMI); 2560 x 1440 @ 180 Hz* (DP)
Effective viewing area: 596.736 (H) x 335.664 (V)
Scanning Frequency: HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V); DP: 30 - 270 kHz (H) / 48 - 180 Hz (V)
sRGB
Delta E: < 2 (sRGB)
Flicker-free
Pixel Density: 108.79 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
MPRT: 1 ms
Low Input Lag
EasyRead
Adaptive sync
HDR: DisplayHDR 400 certified

Connectivity

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

Convenience

Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8 / 7
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), Halolight, LowBlue Mode

Stand

Height adjustment: 130 mm
Pivot: -/+ 90 degree
Swivel: -/+ 30 degree
Tilt: -5/20 degree

Power

Power supply: 100-240VAC, 50-60Hz, Internal
Off mode: 0.3 W (typ.)
On mode: 27.7 W (typ.)
Standby mode: 0.5 W (typ.)
Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 731 x 467 x 191 mm
Product without stand (mm): 613 x 367 x 52 mm
Product with stand(max height): 613 x 518 x 247 mm

Weight

Product with packaging (kg): 8.74 kg
Product with stand (kg): 5.62 kg
Product without stand (kg): 4.21 kg

Operating conditions

Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
Temperature range (operation): 0°C to 40 °C
MTBF: 50,000 (Excluded backlight) hour(s)
Relative humidity: 20%-80 %
Temperature range (storage): -20°C to 60 °C

Sustainability

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

Compliance and standards

Regulatory Approvals: CECP, CEL, CCC

Cabinet

Color: Dark Slate
Finish: Textured

Design

Designed in Amsterdam, NL

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* 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.
* The products and accessories listed on this leaflet may differ by country and region.
* DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area and Adobe RGB Area based on CIE1976.
* The monitor may look different from feature images.

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