QHD LCD Monitor with Ultra Wide-Color

- E Line
- 27" (68.6 cm)
- Quad HD (2560 x 1440)

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Vivid colors in an elegant design

Colors like you've never seen before. This brilliant wide view Quad HD display with Ultra Wide-Color offers crisp images with the richest and most vivid colors on an elegant display for a your best creations yet.

Benefits

Superb Picture Quality

- Ultra Wide-Color wider range of colors for a vivid picture
- IPS LED wide view technology for image and color accuracy
- Crystalclear images with Quad HD 2560 x 1440 pixels
- Effortlessly smooth gameplay with AMD FreeSync™ technology
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- SmartImage Lite for easy optimized image settings

Elegant Design

- Narrow border display for seamless appearance
- Elegant, slim design complements your home decor

Features designed for you

- Built-in stereo speakers for multimedia
- HDMI-ready for Full HD entertainment
- DisplayPort connection for maximum visuals

PHILIPS

Features

Ultra Wide-Color Technology

Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

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 like Displayport, HDMI, Dual link DVI, 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.

Ultra-smooth gaming

Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid, artifact-free performance at virtually any framerate with AMD FreeSync™ technology, smooth quick refresh and ultra-fast response time.

LowBlue Mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

Flicker-free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

UltraNarrow Border

The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

Built-in stereo speakers

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

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).

DisplayPort connection

DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

SmartImage Lite

SmartImage Lite is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage Lite dynamically enhances the contrast, color saturation and

sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

Specifications

Picture/Display

LCD panel type	IPS technology
Backlight type	W-LED system
Panel Size	27 inch / 68.6 cm
Effective viewing area	596.74 (H) x 335.66 (V)
Aspect ratio	16:9
Optimum resolution	2560 x 1440 @ 60Hz
Pixel Density	109 PPI
Response time (typical)	4 ms (Gray to Gray)*
Brightness	350 cd/m²
Contrast ratio (typical)	1000:1
SmartContrast	20,000,000:1
Pixel pitch	0.233 x 0.233 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage Lite
Color gamut (typical)	NTSC 114%*, sRGB 132%*
Display colors	16.7 M
Scanning Frequency	54 - 84 kHz (H) / 46 - 75 Hz (V)
LowBlue Mode	Yes
FreeSync	Yes
sRGB	Yes

Connectivity

Signal Input	VGA (Analog)
	DisplayPort 1.2
	HDMI 1.4
Sync Input	Separate Sync
	Sync on Green
Audio (In/Out)	PC audio-in
	Headphone out

Convenience

Built-in Speakers	3 W x 2
User convenience	Power On/Off
	Menu
	Volume
	Input
	SmartImage lite
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
	Ukranian
Other convenience	Kensington lock
Plug & Play Compatibility	DDC/CI
	Mac OS X
	sRGB

Windows 10 / 8.1 / 8 / 7

Stand

Tilt	-5/20 degree

Power

On mode	22.93 W (typ.) (EnergyStar 7.0 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	External
	100-240VAC, 50-60Hz

Dimensions

Product with stand (mm)	613 x 466 x 189 mm
Product without stand (mm)	613 x 374 x 41 mm
Packaging in mm (WxHxD)	660 x 523 x 135 mm

Weight

Product with stand (kg)	4.69 kg
Product without stand (kg)	4.07 kg
Product with packaging (kg)	6.58 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
MTBF	50,000 (excluding backlight) hour(s)

Sustainability

Environmental and energy	EnergyStar 7.0
	RoHS
	Lead-free
	Mercury Free
Recyclable packaging material	100 %

Compliance and standards

Regulatory Approvals	CE Mark
	FCC Class B
	TCO Certified
	WEEE
	CECP
	CU
	EPA
	RCM

Cabinet

Color	Black & Gunmetal
Finish	Glossy

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse
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Other names are for informational purposes only and may be trademarks of their respective owners.
* NTSC Area based on CIE1976
* sRGB Area based on CIE 1931

data subject to change
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