LCD monitor with Windows Hello Webcam

• B Line
• 27" (68.6 cm)
• 2560 x 1440 (QHD)

275B1H/89

Crystal-clear vision to get more done

This Philips monitor with a secure pop-up webcam with Windows Hello offers a personalized, greater security. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

Benefits

Designed for sustainability
• PowerSensor saves up to 70% energy costs
• LightSensor for the perfect brightness with minimal power
• Designed to meet environmental standards

Excellent performance
• Crystalclear images with Quad HD 2560 x 1440 pixels
• IPS technology for full colors and wide viewing angles
• Effortlessly smooth action with Adaptive-Sync technology
• Securely sign in with pop-up webcam with Windows Hello™

Designed for the way you work
• TUV Eye Comfort certified to reduce eye fatigue
• Less eye fatigue with Flicker-free technology
• LowBlue Mode for easy on-the-eyes productivity
• EasyRead mode for a paper-like reading experience
• SmartErgoBase enables people-friendly ergonomic adjustments
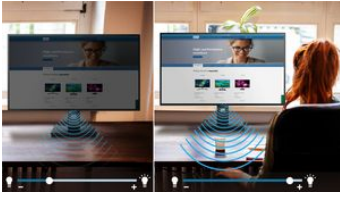• Built-in stereo speakers for multimedia

Eye Comfort

TÜVRheinland
CERTIFIED

www.tuv.com

PHILIPS

Features

PowerSensor

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 70 percent and prolonging monitor life.
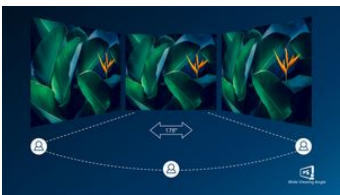
LightSensor

LightSensor uses a smart sensor to adjust the picture brightness depending on the room light conditions for the perfect picture with minimal power usage.

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.

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 - even in 90 degree Pivot mode! 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.

Adaptive-Sync technology

Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artifact-free performance at virtually any framerate with Adaptive-Sync technology, smooth quick refresh and ultra-fast response time.

Windows Hello™ pop-up webcam

Philips' innovative and secure webcam pops up when you need it and securely tucks back into the monitor when you are not using it. The webcam is also equipped with advanced sensors for Windows Hello™ facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds, 3 times faster than a password.

TUV Rheinland Eye Comfort

Philips display meet TUV Rheinland Eye Comfort standard to prevent eye strain caused by prolonged computer use. With TUV Eye Comfort certification, Philips displays ensure flicker-free, low blue mode, no disturbing reflections, wide viewing angle and less reduction of image quality from different angles and ergonomic stand designs for ideal viewing experience. Keep your eyes healthy and boost work productivity.

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.

Monitor

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.

EasyRead mode

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

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.

Designed for sustainability

Designed for sustainability, and reduced operating costs, this monitor meets environmental standards. Such as: ENERGY STAR, EPEAT, TCO Certified. For more information on certification, please visit: ENERGY STAR: https://www.energystar.gov/ EPEAT: https://www.epeat.net/ TCO Certified: https://tcocertified.com/

Specifications

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Picture/Display

LCD panel type	IPS technology
Backlight type	W-LED system
Panel Size	27 inch / 68.6 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	596.736 (H) x 335.664 (V)
Aspect ratio	16:9
Maximum resolution	2560 x 1440 @ 75Hz*
Pixel Density	109 PPI
Response time (typical)	4 ms (Gray to Gray)*
Brightness	350 cd/m²
Contrast ratio (typical)	1000:1
SmartContrast	50,000,000:1
Pixel pitch	0.2331 x 0.2331 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Picture enhancement	SmartImage
Display colors	16.7M
Color gamut (typical)	NTSC 104%*, sRGB 107%*
Scanning Frequency	30 - 114 kHz (H) / 48 - 75 Hz (V)
sRGB	Yes
Flicker-free	Yes
LowBlue Mode	Yes
EasyRead	Yes
Adaptive sync	Yes

Connectivity

Signal Input	DVI-D (digital, HDCP)
	DisplayPort 1.2
	HDMI 1.4 x 1
HDCP	HDCP 1.4 (DVI/DP/HDMI)
USB:	USB-B x 1 (upstream), USB 3.2 x 3 (downstream with 1 fast charge B.C 1.2)
Audio (In/Out)	Audio out
Sync Input	Separate Sync

Convenience

Built-in Speakers	3 W x 2
Built-in webcam	2.0 megapixel FHD camera with microphone and LED indictor (for Windows 10 Hello)
User convenience	SmartImage Input PowerSensor Menu Power On/Off
Control software	SmartControl
OSD Languages	Brazil Portuguese Czech Dutch English French Finnish German Greek Hungarian Italian Japanese

data subject to change
2023, June 19

Korean
Portuguese
Polish
Russian
Simplified Chinese
Spanish
Swedish
Traditional Chinese
Turkish
Ukranian

Other convenience	Kensington lock
	VESA mount (100x100mm)
Plug & Play Compatibility	DDC/CI
	Mac OS X
	sRGB
	Windows 10 / 8.1 / 8 / 7

Stand

Height adjustment	150 mm
Pivot	-/+ 90 degree
Swivel	-/+ 180 degree
Tilt	-5 ~ 30 degree

Power

ECO mode	17.5 W (typ.)
On mode	18 W (typ.) (EnergyStar test method)
Standby mode	< 0.4 W (typ.)
Off mode	Zero watts with Zero switch
Power LED indicator	Operation - White
	Standby mode- White (blinking)
Power supply	Built-in
	100-240VAC, 50-60Hz

Dimensions

Product with stand(max height)	613 x 537 x 205 mm
Product without stand (mm)	613 x 366 x 51 mm
Packaging in mm (WxHxD)	700 x 456 x 215 mm

Weight

Product with stand (kg)	6.42 kg
Product without stand (kg)	4.77 kg
Product with packaging (kg)	9.70 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 (demonstrated)	70,000 hrs (excluded backlight)

Sustainability

Environmental and energy	PowerSensor
	LightSensor
	EnergyStar 8.0
	EPEAT*
	TCO Certified Edge
	RoHS
Recyclable packaging material	100 %
Post consumer recycled plastic	85%
Specific Substances	Mercury free
	PVC / BFR free housing

Compliance and standards

Regulatory Approvals	CB
	TUV/GS
	TUV Ergo
	SEMKO
	CU-EAC
	CE Mark
	FCC Class B
	ICES-003
	UKRAINIAN
	TUV Eye Comfort certified

Cabinet

Front bezel	Black
Rear cover	Black
Foot	Black
Finish	Texture

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* The maximum resolution works for either HDMI input or DP input.
* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* Fast charging complies with USB BC 1.2 standard
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* The monitor may look different from feature images.