

Philips LCD monitor with Windows Hello Webcam

B Line 24 (23.8" / 60.5 cm diag.) 1920 x 1080 (Full HD)

242B1H

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.

Designed for sustainability

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

Excellent performance

- · IPS technology for full colors and wide viewing angles
- · SmartImage presets for easy optimized image settings
- Effortlessly smooth action with Adaptive-Sync technology
- Securely sign in with pop-up webcam with Windows $\mathsf{Hello}^{\,\mathrm{\scriptsize M}}$

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

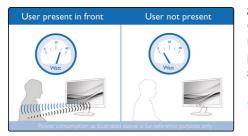




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Highlights

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.

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.

SmartImage



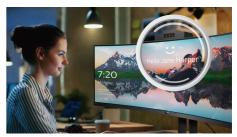
SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

Adaptive-Sync technology



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

Windows Hello[™] pop-up webcam



Phillips' 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 HelloTM 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.



















Specifications

Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch / 60.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
 Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Maximum resolution: 1920 x 1080 @ 75Hz*
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (Gray to Gray)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
 Color gamut (typical): NTSC 91%*, sRGB 107%*
- Display colors: 16.7M
- Scanning Frequency: 30 85 kHz (H) / 48 75 Hz (V)
- sRGB
- Flicker-free
- EasyRead
- LowBlue Mode
- Adaptive sync

Connectivity

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

Convenience

- Built-in Speakers: 2 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, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukranian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/Cl, 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: 10.9 W (typ.)
- On mode: 14.5 W (typ.) (EnergyStar test method)
- Standby mode: 0.35 W
- · 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): 540 x 501 x 205 mm
- Product without stand (mm): 540 x 323 x 51 mm
- Packaging in mm (WxHxD): 600 x 465 x 198 mm

Weight

- Product with stand (kg): 4.77 kg
- Product without stand (kg): 3.17 kg
- Product with packaging (kg): 7.04 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), Nonoperation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

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

Compliance and standards

• Regulatory Approvals: CE Mark, FCC Class B, SEMKO, CU-EAC, TUV Ergo, TUV/GS, EPA, ICES-003, CB, CCC, CECP, CEL, UKRAINIAN, TUV Eye Comfort certified

Cabinet

- Front bezel: Black
- · Rear cover: Black
- Foot: Black
- Finish: Texture

What's in the box?

- · Monitor with stand
- · Cables: VGA cable, HDMI cable, DP cable, USB-A to B cable. Audio cable. Power cable
- User Documentation



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12 NC: 8670 001 65113 EAN: 87 12581 76423 4 * "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 CIE 1931
- * SKGB Area based on Cle 1731
 * 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.