Philips Curved Business Monitor
32:9 SuperWide curved monitor with USB-C

6000 series
49 (48.8" / 124 cm diag.)
5120 x 1440 (Dual QHD)

49B2U6900CH

Redefining workflow productivity

with pop-up webcam

This monitor is designed with everything you need for a collaborative remote workspace. Its webcam fashions new features like auto-framing, a busy light, and an adjustable webcam for an unmatched video conferencing experience.

Designed for the way you work
- SoftBlue Technology: for comfortable viewing
- Webcam Autoframing: for dynamic video calls
- Curved display design for more immersive experience
- Webcam with noise cancelling microphone for collaboration
- Adjustable Webcam: for video conferencing in comfort.
- 32:9 SuperWide screen designed to replace multiscreen setups
- Access and display multiple sources on two devices
- Busylight: for setting your working status
- Earphone Hook: for customizable storage
- SmartKVM: for easily switching between sources.

Superb Picture Quality
- DisplayHDR 400 for more lifelike and outstanding visuals

Single cable USB-C connection
- RJ-45 to USB-C gives easy network connection with security

eyesafe CERTIFIED RPF50

PHILIPS

Highlights

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 peak brightness up-to 400 nits, 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.
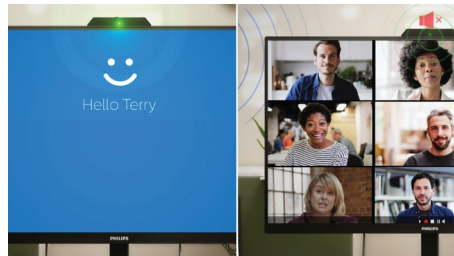
Webcam Autoframing

This feature is perfect for multi-person video conferencing. When one or more people join the webcam view, the frame will automatically adjust and zoom to fit all team members. Likewise, when participants leave the webcam view, the frame will adjust accordingly; thereby making it ideal for long meetings as well as team calls.
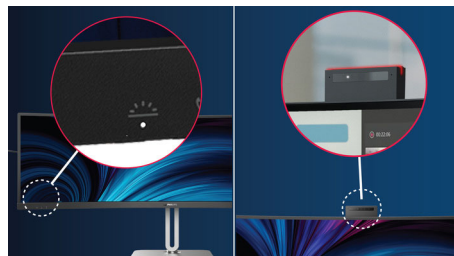
Adjustable Webcam

Level up the comfort of video conferencing with this feature. By adjusting the webcam back and forth by 30 degrees, users can now comfortably call and attend meetings from any position that best suits them.

Webcam & noise cancelling mic

This Philips monitor comes with built-in 5MP webcam, noise cancelling microphone, and speakers. Making it perfect for working from home and collaborating remotely. The webcam is certified for Windows Hello. Equipped with advanced sensors for Windows Hello™ facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds. The physical camera switch offers extra privacy when not in use. The noise-cancelling microphone and dual 5-watt integrated speakers deliver clear communications.
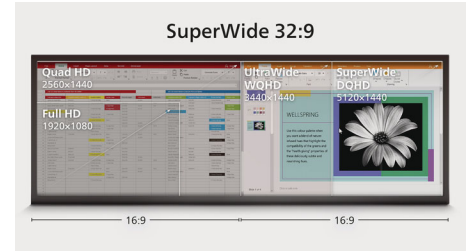
Busylight

This feature allows for privacy and optimal collaboration when working in a busy office

setting. To transmit to others that they are busy, users can simply press the Busylight hotkey located on the bottom left menu of the monitor bezel and the light located on the webcam will turn red. In addition to this, the Busylight feature can also sync with user's Microsoft Teams status.

32:9 SuperWide

32:9 SuperWide 49" screen, with 5120 x 1440 resolution, is designed to replace multiscreen setups for massive wide view. It's like having two 27" 16:9 Quad HD displays side-by-side. SuperWide monitors offer screen area of dual monitors without the complicated setup.

Earphone Hook

Earphone storage is unmatched with this feature. Carefully pull down the hook located on the side of the monitor: This feature makes for a tidy desktop and provides a handy cable management solution for your workspace.

SoftBlue Technology

SoftBlue LED technology, combined with the monitor's low blue light panel, is an effective solution to reducing the adverse health effects caused by high exposure to blue light. In this monitor's panel, the ratio of light is reduced by nearly 50 percent while the SoftBlue LED technology works simultaneously by reducing harmful blue light rays emitted from the screen. Not to mention, the SoftBlue LED technology is tested and certified by TUV Rheinland Eyesafe® for its effectiveness in reducing blue light emissions.

Specifications

Picture/Display
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area:
  1191.936(H)x335.232(V)mm
- Aspect ratio: 32:9
- Maximum resolution: 5120 x 1440 @ 75 Hz
- Pixel Density: 109 PPI
- Response time (typical): 4 ms (Gray to Gray)*
- Brightness: 450 cd/m²
- Contrast ratio (typical): 3000:1
- SmartContrast: 80,000,000:1
- Pixel pitch: 0.2328 x 0.2328 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colors: 1.07 B (8 bit + FRC)
- Color gamut (typical): NTSC 97%*, sRGB 119%*
- HDR: DisplayHDR 400 certified
- Scanning Frequency: HDMI: 30 - 140 kHz (H) / 48-75 Hz (V); DP: 30 - 114 kHz (H) / 48-75 Hz (V); USB-C: 30 -75 Hz
- SmartUniformity: 93 ~ 105%
- Delta E: < 2
- sRGB
- LowBlue Mode
- Adaptive sync
- Panel Size: 48.8 inch / 124 cm

Connectivity
- Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C x 2 (upstream, DP Alt mode, Data, PD up to 100W)
- HDCP: HDCP 1.4 (HDMI / DisplayPort / USB-C), HDCP 2.2 (HDMI / DisplayPort / USB-C)
- HBR3: HBR3 (USB-C / DisplayPort)
- USB Hub: USB3.2, Gen2, 10G, upstream: USB-C1x1, USB-C2 x1, downstream: USB-A x4 (with x1 fast charge B.C 1.2),USB-C3x1 (15W)
- Audio (In/Out): Audio out / Microphone in combo jack
- RJ45: Ethernet LAN up to 2.5G*, Wake on LAN
- Sync Input: Separate Sync

Power Delivery
- Version: USB PD version 3.0
- Max power delivery: Up to 100 W* (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.8A)

Convenience
- Built-in Speakers: 5 W x 2
- Built-in webcam: 5.0 megapixel camera with microphone and LED indictor (for Windows Hello)
- Noise cancellation
- MultiView: PIP/PBP mode, 2x devices
- KVM: Yes (USB-C1/USB-C2)
- User convenience: Mic, SmartImage, Input, User, Menu, Power On/Off
- Control software: SmartControl
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, French, Finnish, German, Greek, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, Earphone hook, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10
- Busylight
- Webcam with auto framing: Yes*
- Webcam tilt function: Yes, -/+30 degree

Stand
- Height adjustment: 150 mm
- Swivel: -/+30 degree
- Tilt: -5/15 degree

Power
- ECO mode: 37.5 W (typ.)
- On mode: 48.1 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Off mode: Zero watts with AC switch
- Energy Label Class: F
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions
- Product with stand(max height): 1193 x 583 x 268 mm
- Product without stand (mm): 1193 x 373 x 164 mm
- Packaging in mm (WxHxD): 1290 x 300 x 475 mm

Weight
- Product with stand (kg): 15.21 kg
- Product without stand (kg): 11.58 kg
- Product with packaging (kg): 19.38 kg

Operating conditions
- Temperature range (operation): 0°C to 40 °C
- Temperature range (storage): -20°C to 60 °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*, RoHS, TCO Certified Edge
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 85%+OBP 5%
- 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 Ergo, TUV/GS, TUV Eyesafe certified, cETLus, EAC, MEPS,

Specifications

PSE, TCO Certified, TCO Certified Edge

Cabinet
• Front bezel: Black
• Rear cover: Black
• Foot: Black
• Finish: Texture

What's in the box?
• Monitor with stand
• Cables: HDMI cable, DisplayPort cable, USB-C to C/A Y cable, Power cable
• User Documentation

* Radius of the arc of the display curvature in mm
* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* Activities such as screen sharing, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine overall audio and video quality.
* For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.
* The USB-C power delivery of this display is up to 100 W (96 W in typical), the maximum power delivery will depend on your device.
* When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.
* 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.
* When Webcam Autoframing is on, the pixel quality of the webcam would be 2M. When Webcam Autoframing is off, the pixel quality of the webcam would be 5M.
* If your Ethernet connection seems slow, please enter OSD menu and select USB 3.0 or higher version which can support the LAN speed to 2.5G.

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