

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 a pop-up webcam

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

#### **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

#### **Designed for the way you work**

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

**PHILIPS**

32:9 SuperWide curved monitor with USB-C  
6000 series 49 (48.8"/124 cm diag.), 5120 x 1440 (Dual QHD)

49B2U6900CH/00

# 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 colours. 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 colours, 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



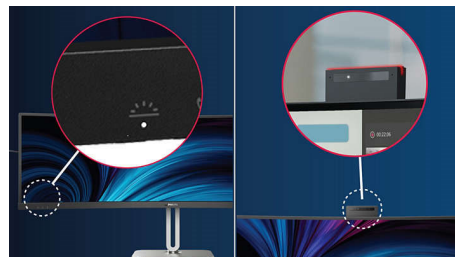
Level up the comfort of video conferencing with this feature. By adjusting the webcam back and forth by 30 degrees, users can now comfortably call and attend meetings from any position that best suits them.

## Webcam and noise-cancelling mic



This Philips monitor comes with a built-in 5 MP webcam, a noise-cancelling microphone, and speakers, making it perfect for working from home and collaborating remotely. The webcam is certified for Windows Hello and is 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

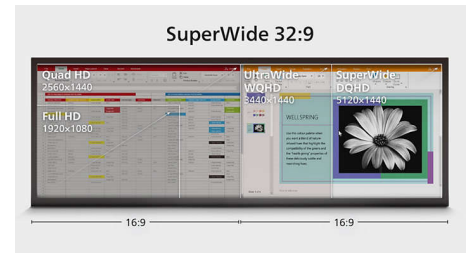
setting. To transmit to others that they are busy, users can simply press the Busylight hotkey located on the bottom left menu of the monitor bezel, and the light located on the webcam will turn red. In addition to this, the Busylight feature can also sync with users' Microsoft Teams status.

## SmartKVM



Unlike traditional built-in KVM monitor buttons, the smart KVM allows for switching between sources with the click of a button on your keyboard. When all devices are properly connected, users can easily switch between sources by clicking the "Ctrl" key three times.

## 32:9 SuperWide



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

## SoftBlue Technology

SoftBlue LED technology, combined with the monitor's low blue light panel, is an effective solution for 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. Furthermore, the SoftBlue LED technology is tested and certified by TÜV Rheinland Eyesafe® for its effectiveness in reducing blue light emissions.



# Specifications

## 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 100 W)
- Sync Input: Separate Sync
- Audio (In/Out): Audio out/Microphone in combo jack
- RJ45: Ethernet LAN up to 2.5G\*, Wake on LAN
- 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-C1 x 1, USB-C2 x 1, downstream: USB-A x 4 (with x 1 fast-charge B.C 1.2), USB-C3 x 1 (15 W)

## Picture/Display

- Panel Size: 48.8"/124 cm
- Aspect ratio: 32:9
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Pixel pitch: 0.2328 x 0.2328 mm
- Brightness: 450 cd/m<sup>2</sup>
- Display colours: 1.07 B (8-bit + FRC)
- Colour gamut (typical): NTSC 97%\*, sRGB 119%\*
- Contrast ratio (typical): 3000:1
- SmartContrast: 80,000,000:1
- Response time (typical): 4 ms (Grey to Grey)\*
- Viewing angle: 178° (H)/178° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- Maximum resolution: 5120 x 1440 @ 75 Hz
- Effective viewing area: 1191.936 (H) x 335.232 (V) mm
- 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
- sRGB
- Delta E: &lt; 2
- Flicker-free
- Pixel Density: 109 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%

- SmartUniformity: 93 ~ 105%
- Adaptive sync
- HDR: DisplayHDR 400 certified

## Power Delivery

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

## Convenience

- Built-in Speakers: 5 W x 2
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11/10
- User convenience: Mic, SmartImage, Input, User, Menu, Power On/Off
- 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 (100 x 100 mm)
- Control software: SmartControl
- MultiView: PIP/PBP mode, 2 x devices
- Built-in webcam: 5.0 megapixel camera with microphone and LED indicator (for Windows Hello)
- Webcam with auto-framing: Yes\*
- Webcam tilt function: Yes, -/+30 degree
- Busylight
- KVM: Yes (USB-C1/USB-C2)
- Noise cancellation

## Stand

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

## Power

- ECO mode: 37.5 W (typ.)

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

## Dimensions

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

## Weight

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

## Operating conditions

- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- Temperature range (operation): 0°C to 40 °C
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60 °C
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

## Sustainability

- Environmental and energy: PowerSensor, LightSensor, EnergyStar 8.0, EPEAT\*, RoHS, TCO Certified Edge
- Post-consumer recycled plastic: 85%+OBP 5%
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC/BFR free housing

## Compliance and standards

- Regulatory Approvals: CB, CE Mark, FCC Class B,

# Specifications

ICES-003, CU-EAC, EAEU RoHS, TUV Ergo, TUV/ GS, TUV Eyesafe certified, cETLus, EAC, MEPS, PSE, TCO Certified, TCO Certified Edge

- Front bezel: Black
- Rear cover: Black

## Cabinet

- Finish: Texture
- Foot: Black

## What's in the box?

- Cables: HDMI cable, DisplayPort cable, USB-C to C/A Y cable, Power cable
- Monitor with stand
- User Documentation



Issue date 2024-04-29

Version: 9.2.2

EAN: 87 12581 80255 4

© 2024 Koninklijke Philips N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

[www.philips.com](http://www.philips.com)

\* Radius of the arc of the display curvature in mm

\* Response time value equal to SmartResponse

\* NTSC Area based on CIE 1976

\* 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 and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the 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 is 2M. When Webcam Autoframing is off, the pixel quality of the webcam is 5M.

\* If your Ethernet connection seems slow, please enter the OSD menu and select USB 3.0 or a higher version which can support the LAN speed to 2.5G.