

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

### 6000 series

45 (44.5" / 113 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
- Webcam with noise cancelling microphone for collaboration
- Curved display design for more immersive experience
- 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

# PHILIPS

32:9 SuperWide curved monitor with USB-C  
6000 series 45 (44.5" / 113 cm diag.), 5120 x 1440 (Dual QHD)

49B2U6900CH/27

# 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

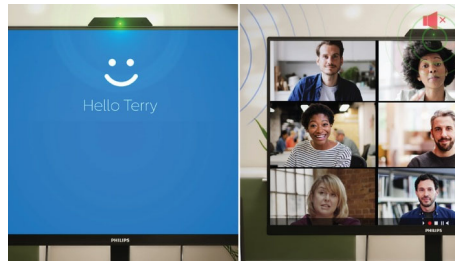
making it ideal for long meetings as well as team calls.

## 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.

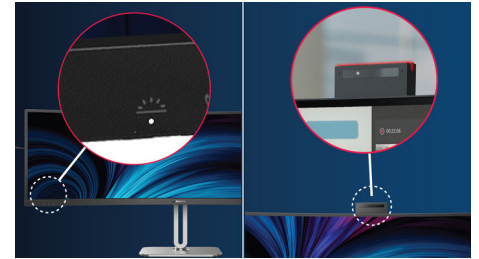
## Webcam & noise cancelling mic



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

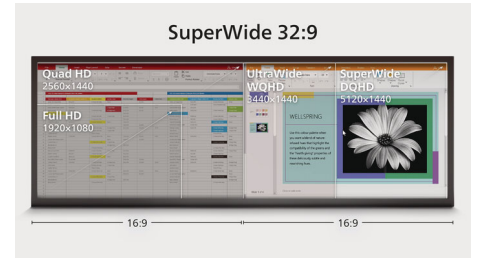
when not in use. The noise-cancelling microphone and dual 5-watt integrated speakers deliver clear communications.

## 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.



# Specifications

## Picture/Display

- LCD panel type: VA LCD
- Backlight type: W-LED system
- Panel Size: 48.8 inch / 124 cm
- 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/m<sup>2</sup>
- 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

## 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 indicator (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 tilt function: Yes, +/-30 degree
- Webcam with auto framing: Yes\*

## 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, PSE, TCO Certified, TCO Certified Edge

# Specifications

## Cabinet

- Front bezel: Black
- Rear cover: Black

- Foot: Black
- Finish: Texture



Issue date 2023-12-10

Version: 8.0.2

12 NC: 8670 001 91837  
UPC: 6 09585 25694 1

© 2023 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 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.