

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.

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

- Eyesafe certified blue light protection and color accuracy
- 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 more immersive experience
- Busylight: for setting your working status
- Earphone Hook: for customizable storage
- SmartKVM: for easily switching between sources.
- AI-enhanced Webcam Autoframing: for dynamic video calls.
- Adjustable Webcam: for video conferencing in comfort.

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 minimum 400 nits brightness, 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.

AI-enhanced Webcam Autoframing



This AI-enhanced feature is perfect for multi-person video conferencing. When one or more people join the webcam view, the AI-powered feature will automatically adjust and zoom to fit all team members in the frame. Likewise, when participants leave the webcam view, the AI-enhanced webcam 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.

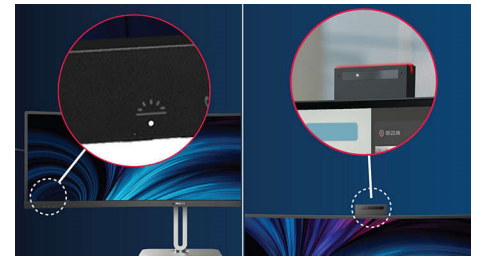
Webcam & noise cancelling mic



This Philips monitor comes with built-in SMP 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

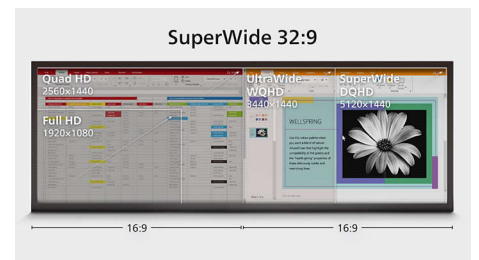
microphone and dual 5-watt integrated speakers deliver clear communications.

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

- Panel Size: 48.8 inch / 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/m²
- Display colors: 1.07 B (8 bit + FRC)
- Color gamut (typical): NTSC 97%*, sRGB 119%*
- Contrast ratio (typical): 3000:1
- SmartContrast: 80,000,000:1
- Response time (typical): 4 ms (Gray to Gray)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Maximum resolution: 5120 x 1440 @ 75 Hz
- Effective viewing area: 1191.936(H)x335.232(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: < 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

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)
- 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-C1x1,

USB-C2 x1, downstream: USB-A x4 (with x1 fast charge B.C 1.2), USB-C3x1 (15W)

Power Delivery

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

Convenience

- Built-in Speakers: 5 W x 2
- Plug & 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 (100x100mm)
- Control software: SmartControl
- MultiView: PIP/PBP mode, 2x 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, 100-240VAC, 50-60Hz
- Off mode: Zero watts with AC switch
- On mode: 48.1 W (typ.) (EnergyStar test method)

- Standby mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Energy Label Class: F

Dimensions

- Packaging in mm (WxHxD): 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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, ICES-003, CU-EAC, EAEU RoHS, TUV Ergo, TUV/GS, TUV Eyesafe certified, cETLus, EAC, MEPS, PSE, TCO Certified, TCO Certified Edge

Specifications

Cabinet

- Finish: Texture
- Foot: Silver

- Front bezel: Charcoal
- Rear cover: Charcoal



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- * 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.