Philips Curved Business monitor
32:9 SuperWide
Thunderbolt™ 4 monitor

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

49B2U6903CH

Redefining workflow productivity

with a pop-up webcam

This Philips Thunderbolt™ 4 monitor is designed with everything you need for a collaborative remote workspace. Its webcam sports features such as auto-framing and a busy light for an unmatched video conferencing experience.

Thunderbolt™ 4 for flexibility and performance
• Thunderbolt™ 4 Connection: for lightning-fast connectivity

Designed for the way you work
• PowerSensor 2: for optimised energy efficiency

Superb Picture Quality
• VA display delivers awesome images with wide viewing angles
• DisplayHDR 400 for more lifelike and outstanding visuals

Designed for the way you work
• MultiView enables simultaneous dual connection and view
• 32:9 SuperWide screen designed to replace multiscreen setups
• 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
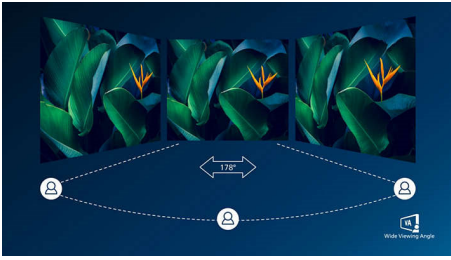• SmartKVM: for easily switching between sources.

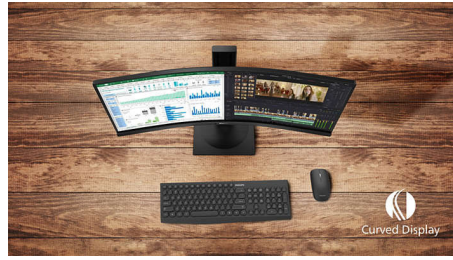**PHILIPS**

Highlights

VA display

The Philips VA LED display uses an advanced multi-domain vertical alignment technology that gives you super-high static contrast ratios for extra-vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web browsing, films, gaming and demanding graphical applications. Its optimised pixel management technology gives you a 178/178 degree extra-wide viewing angle, resulting in crisp images.

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.
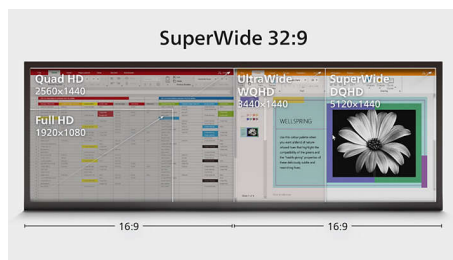
Curved display design

Desktop monitors offer a personal user experience, which suits a curved design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the centre of your desk.

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.

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.

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.

Specifications

Connectivity
- Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, Thunderbolt 4 input x 1 (upstream, Data, Video, PD to 100 W)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Audio out/Microphone in combo jack
- RJ45: Ethernet LAN up to 2.5G*, Wake on LAN
- Signal Output: Thunderbolt 4 output x 1 (downstream, Data, Video, PD 15 W)
- HDCP: HDCP 1.4 (HDMI/DisplayPort/ Thunderbolt 4), HDCP 2.2 (HDMI/DisplayPort/ Thunderbolt 4)
- HBR3: HBR 3 (Thunderbolt 4)
- USB Hub: USB 3.2 Gen 2/10 G, upstream: 1 x Thunderbolt 4, 1 x USB-C1 (data); downstream: 1 x Thunderbolt 4, USB-A x4 (with x 1 fast charge B.C 1.2), USB-C2 x 1 (data, 45 W)

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(SDR) cd/m² , 500(HDR) cd/m²
- Display colours: 1.07 B
- Colour gamut (typical): NTSC 97%*, RGB: 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 > 10
- Picture enhancement: SmartImage
- Maximum resolution: 5120 x 1440 @ 60 Hz (HDMI2.0)*, 5120 x 1440 @ 100 Hz(DP1.4)*, 5120 x 1440 @ 75 Hz (Thunderbolt)*
- Effective viewing area: 1191.936 (H) x 335.232 (V) mm, 1800 R curvature*
- Scanning Frequency: HDMI: 30–140 kHz (H)/ 30–75 Hz (V); DP/Thunderbolt: 30–200 kHz (H)/ 48–120 Hz (V)

- sRGB
- Delta E: < 2 (sRGB)
- SoftBlue
- Flicker-free
- Pixel Density: 109 PPI
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- SmartUniformity: 93 ~ 105%
- EasyRead
- Adaptive sync
- HDR: Display HDR 400 certified
- EyeSafe

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, sRGB, Windows 11/10
- User convenience: SmartImage, Input, User, Menu, Power On/Off, Mute, Handup, Busylight
- 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: Pop-up 5.0 megapixel camera with a microphone and LED indicator (for Windows Hello)
- Webcam with auto-framing
- Webcam tilt function: Yes, -/+30 degree
- Busylight
- Noise cancellation
- SmartKVM: Yes (Thunderbolt 4/USB-C1)

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: 0.5 W (typ.)
- On mode: 41.85 W (typ.) (Energy Star test method)
- Standby mode: 0.5 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 586 x 268 mm

Weight
- Product with packaging (kg): 19.54 kg
- Product with stand (kg): 15.45 kg
- Product without stand (kg): 11.82 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: Energy Star 8.0, EPEAT*, RoHS, TCO Certified Edge, LightSensor,

Specifications

PowerSensor 2*
- 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, TUV/GS, TUV Ergo, TCO Certified, TCO 9.0, TCO Certified Edge, MEPS, EAC, UKCA, EMF, FCC, ICES-003, TUV Eyesafe certified, EPA

Cabinet
- Finish: Texture
- Foot: Silver
- Front bezel: Charcoal
- Rear cover: Charcoal

What's in the box?
- Cables: HDMI cable, DisplayPort cable, TBT4 cable, Power cable
- Monitor with stand
- User Documentation

* 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.
* If your Ethernet connection seems slow, please enter the OSD menu and select USB 3.0 or a higher version that can support the LAN speed up to 1G.
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* The display colours reduce to 8 bits, the max resolution of HDMI can be 5120 x 1440 @ 75 Hz, and DisplayPort can be 5120 x 1440 @ 120 Hz
* It's for laptops with DSC; if you don't have DSC, the max resolution of Thunderbolt 4 input and output can be 5120 x 1440 @ 60 Hz, 8 bits display colour and with USB 3.2 Gen1.
* Please note that the PowerSensor 2 is only functional with Windows 11 installed. When PowerSensor 2 is activated, WAL means Walk Away Lock and WOA means Wake On.
* The monitor may look different from feature images.
* The products and accessories listed on this leaflet may differ by country and region.

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