

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

5000 series

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

49B2U5900CH



Redefining workflow productivity

Welcome to a more efficient workspace. To facilitate everyday workflow, this monitor's large 32:9 SuperWide screen is equipped with a new busy light and tilting webcam feature that helps you flow between tasks with ease.

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

- Curved display design for more immersive experience
- SmartKVM: for easily switching between sources.
- 32:9 SuperWide screen designed to replace multiscreen setups
- Tilt, swivel and height-adjust for an ideal viewing position
- Eyesafe certified blue light protection and color accuracy
- Busylight: for setting your working status
- Adjustable Webcam: For video conferencing in comfort.
- Securely sign in with pop-up webcam with Windows Hello™
- Earphone Hook: for customizable storage

Single cable USB-C connection

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



PHILIPS

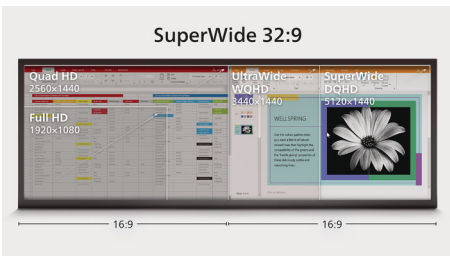
Highlights

Curved display design



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

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.

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

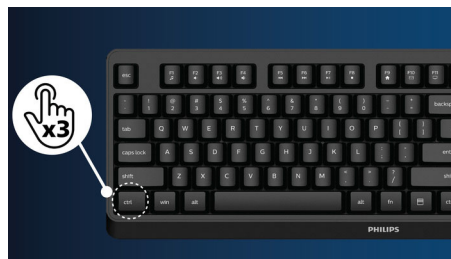
dimming and peak brightness up-to 400 nits, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.

USB-C Docking with RJ45



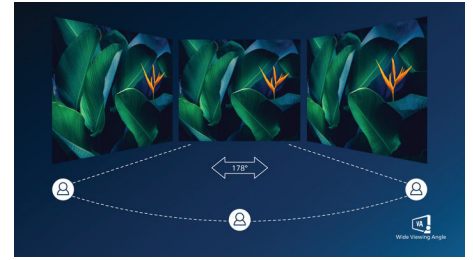
Simplify all peripherals from monitor to PC using one-cable-docking USB Type-C connector, includes networking, high resolution video output from PC to monitor, and surfing on Internet without an additional network cable, even without LAN port on your notebook. RJ45 connection through USB-C offers a fast and secure connection when needed. Getting the fastest data speeds allows you to transfer data from a HDD to your PC faster than ever. Additionally, USB-C with power delivery can even enable you to power and charge your notebook from the monitor, eliminating the need for extra power cables.

SmartKVM



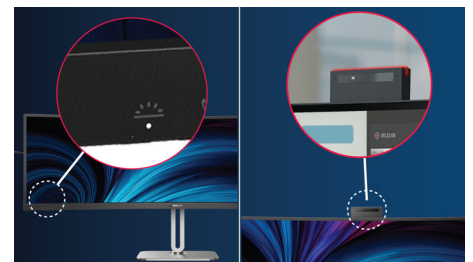
Unlike traditional built-in KVM monitor button, the smart KVM allows for switching between sources with the click of a button on your keyboard. When all devices are properly connected, users can easily switch between sources by clicking the "Ctrl" key three times.

VA display



Philips VA LED display uses an advanced multi-domain vertical alignment technology which 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, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

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.



Wide Viewing Angle



Curved Display



32:9 Curved SuperWide



VESA CERTIFIED DisplayHDR 400



USB-C Docking



MultiClient Integrated KVM



Multiview



CompactErgo Base



Built-in Speaker

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) x 335.232 (V) - at a 1800R curvature*
- 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 - 114 kHz (H) / 30-75 Hz (V)
- SmartUniformity: 93 ~ 105%
- Delta E: < 2
- sRGB
- LowBlue Mode
- EasyRead
- Adaptive sync

Connectivity

- Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C x 1 (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: USB 3.2 Gen 1 / 5 Gbps, USB-B upstream x 1, USB-A downstream x 2 (with 1 for fast charge B.C 1.2), USB-C downstream x 1 (Data,

PD 15W

- RJ45: Ethernet LAN up to 1G*, Wake on LAN
- Sync Input: Separate Sync
- Audio (In/Out): Audio out / Microphone in combo jack

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: 3 W x 2
- Built-in webcam: Pop-up 5.0 megapixel camera with microphone and LED indicator (for Windows Hello)
- MultiView: PIP/PBP mode, 2x devices
- KVM: Yes (USB-C/USB-B)
- 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 / 8.1 / 8
- Busylight

Stand

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

Power

- ECO mode: 39 W (typ.)
- On mode: 46.1 W (typ.) (EnergyStar test method)
- Standby mode: 0.8 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 packaging (kg): 19.38 kg kg
- Product with stand (kg): 15.21 kg kg
- Product without stand (kg): 11.58 kg 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%
- 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

Specifications

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



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Version: 5.2.3

12 NC: 8670 001 89827
EAN: 87 12581 80257 8

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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
- * 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.
- * 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 1G.
- * For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
- * 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.
- * EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.
- * When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.
- * The monitor may look different from feature images.