PHILIPS

32:9 SuperWide curved monitor with USB-C

Curved Business Monitor

5000 series

49 (48.8"/124 cm diag.)

5120 x 1440 (Dual QHD)

49B2U5900C

Redefining workflow productivity

This 49" business monitor is made for efficiency. Its SuperWide screen, Smart KVM switch and USB-C connectivity make teamwork and moving between tasks an easier feat.

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
- Built-in stereo speakers for multimedia
- MultiView enables simultaneous dual connection and view
- Tilt, swivel and height-adjust for an ideal viewing position
- SoftBlue Technology: for comfortable viewing
- Eyesafe-certified blue light protection and colour accuracy
- 32:9 SuperWide screen designed to replace multiscreen setups
- Curved display design for a more immersive experience
- Earphone hook: for customisable storage
- SmartKVM: for easily switching between sources.

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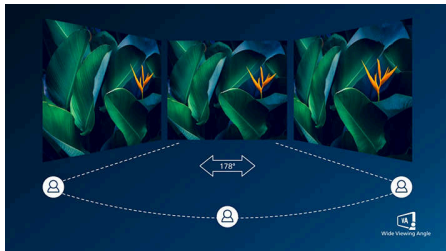- RJ-45 to USB-C gives easy network connection with security
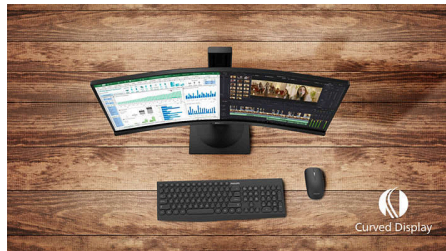
Highlights

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 minimum 400 nits of brightness, 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.
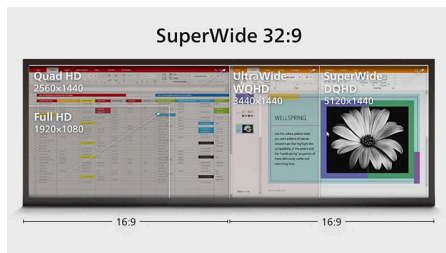
Curved display design

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.
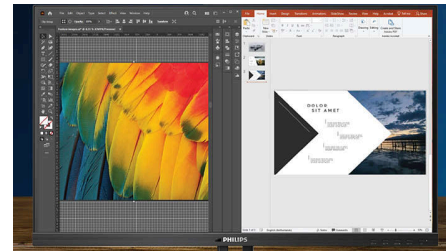
SmartKVM

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.
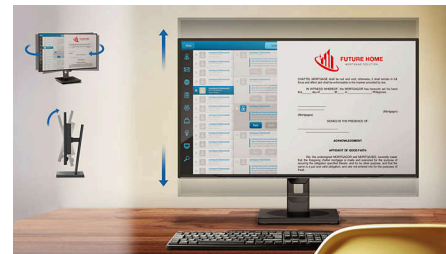
32:9 SuperWide

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.

MultiView technology

With the ultra-high resolution Philips MultiView display, you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multitasking.

Compact Ergo Base

The Compact Ergo Base is a people-friendly Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

Earphone Hook

Earphone storage is unmatched with this feature. Carefully pull down the hook located on the side of the monitor: This feature makes for a tidy desktop and provides a handy cable management solution for your workspace.

Wide Viewing Angle · DisplayHDR 400 · CurvedDisplay · 32:9 Curved SuperWide · Multiview · CompactErgo Base · Built-in Speaker · eyesafe CERTIFIED · RPF 50
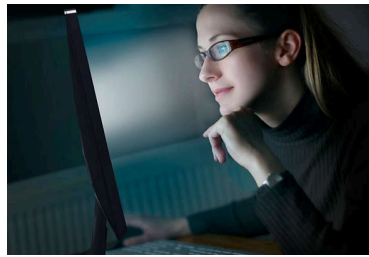
Highlights

Built-in stereo speakers

A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

TUV Rheinland Eyesafe

Philips display meets the TUV Rheinland Eyesafe® standard to truly protect you from long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees colour integrity.

SoftBlue Technology with Low Blue Light Panel

SoftBlue technology offers increased visual comfort and protection against adverse health effects caused by prolonged exposure to blue light. With the low blue-light panel, the ratio of display emission light in the range of 415-455 nm to 400-500 nm is reduced to less than 50%. As a result, the SoftBlue technology provides optimal visual comfort, minimises eye strain and supports sustained focus. Not to mention, SoftBlue LED technology is tested and
TÜV Rheinland Low Blue Light (Hardware Solution) certified for its effectiveness in reducing blue light emissions.

USB-C Docking with RJ45

Simplify all peripherals from monitor to PC using one-cable docking USB Type-C connector, including networking, high-resolution video output from PC to monitor, and surfing on the Internet without an additional network cable, even without a 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.

High-speed data transfer
USB 3.2 high-speed data transfer

SoftBlue
Technology

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 (SDR) cd/m², 500 (HDR) cd/m²

Display colours: 1.07 B

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: 178º (H)/178º (V), @ C/R > 10

Picture enhancement: SmartImage

Maximum resolution: 5120 x 1440@75 Hz (HDMI/DP/USB-C)*

Effective viewing area:
1191.936 (H) x 335.232 (V) mm, 1800 R curvature*

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)

sRGB

Delta E: < 2

SoftBlue

Flicker-free

Pixel Density: 109 PPI

Display Screen Coating: Anti-Glare, 3H, Haze 25%

SmartUniformity: 93 ~ 105%

EasyRead

Adaptive sync

HDR: DisplayHDR 400 certified

EyeSafe

Connectivity

Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD)

Sync Input: Separate Sync, Sync on Green

Audio (In/Out): Audio out

RJ45: Ethernet LAN up to 1G

HDCP: HDCP 1.4 (HDMI/DisplayPort/USB-C), HDCP 2.2 (HDMI/DisplayPort/USB-C)

HBR3: HBR3

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 15 W)

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/3.25 A, 20 V/4.8 A)*

Version: USB PD version 3.0

Convenience

Built-in Speakers: 3 W x 2

Plug and Play Compatibility: DDC/CI, Mac OS, sRGB, Windows 11/10/8.1/8

User convenience: 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

KVM: Yes (USB-C/USB-B)

Stand

Height adjustment: 150 mm

Swivel: -/+30 degree

Tilt: -5/15 degree

Power

ECO mode: 34.18 W (typ.)

Power supply: Built-in, 100–240 VAC, 50–60 Hz

Off mode: 0.3 W (typ.)

On mode: 52.27 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 475 x 300 mm

Product without stand (mm):
1193 x 373 x 164 mm

Product with stand (max height):
1193 x 583 x 268 mm

Specifications

Weight
Product with packaging (kg): 22.70 kg
Product with stand (kg): 15.30 kg
Product without stand (kg): 11.67 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, Energy Star 8.0, EPEAT*, RoHS
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, ETL, CEC, TUV/GS, TUV Ergo, TCO Certified, TCO Certified Edge, EAC, EAC ROHS, MEPS, UKCA, EMF, FCC, ICES-003, TÜV Rheinland Low Blue Light (Hardware Solution), eyesafe® CERTIFIED 2.0

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

What's in the box?
Cables: HDMI cable, DisplayPort cable, USB-C to C/C 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 CIE1976, sRGB Area based on CIE1931
* 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.
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* When USB-C is set to High Resolution mode, the maximum supported resolution is 5120 x 1440@75 Hz.
* The power delivery of this display is up to 100 W (typically 96 W). The maximum power delivery will depend on your device.
* When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.
* 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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