PHILIPS

32:9 SuperWide curved monitor with USB-C

Curved Business Monitor

6000 series

49 (48.8"/124 cm diag.)

5120 x 1440 (Dual QHD)

49B2U6900CH

Redefining workflow productivity
with a pop-up webcam

This monitor is designed with everything you need for a collaborative remote workspace. Its webcam has 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 colour accuracy
- 32:9 SuperWide screen designed to replace multiscreen setups
- Collaboration-ready webcam with noise-cancelling mic.
- Busylight: for setting your work status
- Earphone hook: for customisable storage
- SmartKVM: for easily switching between sources.
- AI-enhanced Webcam Autoframing: for dynamic video calls.
- Adjustable Webcam: for video conferencing in comfort.
- SoftBlue Technology: for comfortable viewing

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 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.
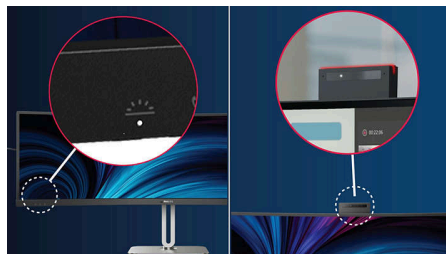
AI-enhanced Webcam Autoframing

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.
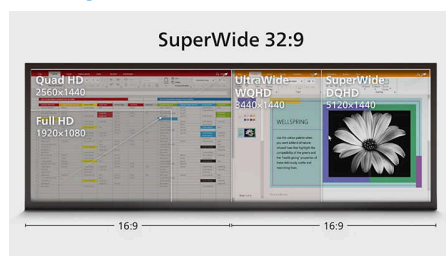
Adjustable webcam

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.

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 users' Microsoft Teams status.
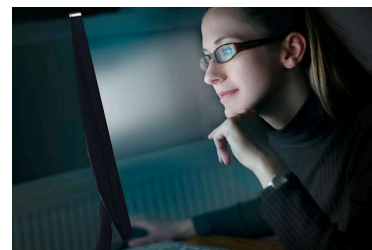
32:9 SuperWide

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.

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.

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.
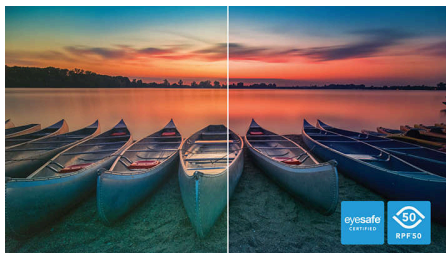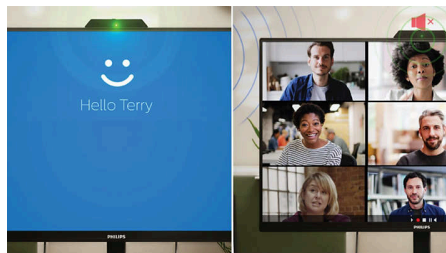
Highlights

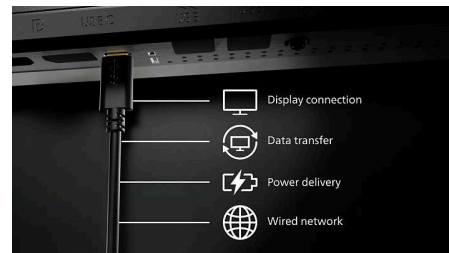### eyesafe® CERTIFIED 2.0 (RPF 50)

The Philips display meets the eyesafe® CERTIFIED 2.0 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.

Webcam and noise-cancelling mic

This Philips monitor comes with a built-in 5 MP webcam, noise-cancelling microphone and speakers, making it perfect for working from home and collaborating remotely. It is equipped with advanced sensors that work seamlessly with Windows Hello facial recognition, allowing you to log into your Windows devices in less than 2 seconds. For added privacy, a physical camera switch lets you disable the webcam when not in use. The noise-cancelling microphone and dual 5 watt integrated speakers ensure clear communication.

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.

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 colours: 1.07 B (8-bit + FRC)

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

Effective viewing area:
1191.936 (H) x 335.232 (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 140 W)

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-C1 x 1, USB-C2 x 1, downstream: USB-A x 4 (with x 1 fast-charge B.C 1.2), USB-C3 x 1 (15 W)

Power Delivery

Max power delivery: USBC1, USBC2: 140 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, 28 V/5 A), USBC3: Power supply up to 15 W (5 V/3 A), USB-A: x 1 fast charge B.C 1.2, up to 7.5 W (5 V/1.5 A)

Version: USB PD version 3.1

Convenience

Built-in Speakers: 5 W x 2

Plug and 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 (100 x 100 mm)

Control software: SmartControl

MultiView: PIP/PBP mode, 2 x devices

Built-in webcam: 5.0 megapixel camera with microphone and LED indicator

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, 100–240 VAC, 50–60 Hz

Off mode: Zero watts with AC switch

On mode: 48.1 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 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

Curved Business Monitor

32:9 SuperWide curved monitor with USB-C

49B2U6900CH/01

Specifications

Weight
Product with packaging (kg): 22.68 kg
Product with stand (kg): 15.21 kg
Product without stand (kg): 11.58 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, 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, eyesafe® CERTIFIED 2.0, cETLus, EAC, MEPS, PSE, TCO Certified, TÜV Rheinland Low Blue Light (Hardware Solution)
Warranty: 5 years

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 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
* 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.
* 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.
* When Webcam Autoframing is on, the pixel quality of the webcam is 2M. When Webcam Autoframing is off, the pixel quality of the webcam is 5M.
* If your Ethernet connection seems slow, please enter the OSD menu and select USB 3.0 or a higher version which can support the LAN speed to 2.5G.
* The 5 year warranty is a voluntary manufacturer's limited warranty. It applies only in the countries listed on this page https://www.philips.co.uk/c-e/so/monitors/tco-certified-edge. For consumers, it is provided in addition to, and without affecting, their legal rights under applicable national laws. For non-consumer (business/professional) end users, only the manufacturer's limited warranty terms apply.
* 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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