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
• 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.
• Webcam Autoframing: for dynamic video calls
• Adjustable Webcam: for video conferencing in comfort.
• SoftBlue Technology: for comfortable viewing

PHILIPS

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 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.

Webcam Autoframing

This feature is perfect for multi-person video conferencing. When one or more people join the webcam view, the frame will automatically adjust and zoom to fit all team members. Likewise, when participants leave the webcam view, the frame will adjust accordingly; thereby
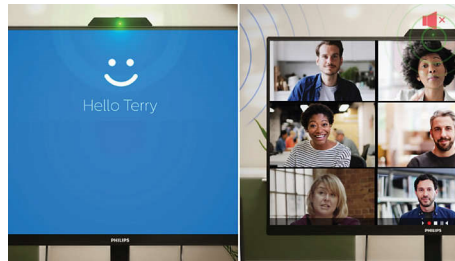
making it ideal for long meetings as well as team calls.

Adjustable Webcam

30° forward | 30° backward

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.
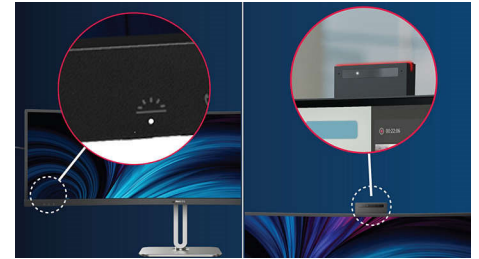
Webcam & noise cancelling mic

This Philips monitor comes with built-in 5MP 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.

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.

DisplayHDR 400 · Noise cancellation · Curved SuperWide · SoftBlue Technology · CurvedDisplay · MultiClient Integrated KVM · CompactErgo Base · MultiClient Integrated KVM · Multiview · Wide Viewing Angle

Specifications

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)

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

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 indictor (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: Black
- Front bezel: Black
- Rear cover: Black

* 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.