

Philips 49B2U6900CH(49B2U6900CH/00)

Philips 49B2U6900CH - 6000 Series - LED monitor - curved - USB - 49" (48.8" viewable) - 5120 x 1440 Dual Quad HD @ 75 Hz - VA - 450 cd/m² - 3000:1 - DisplayHDR 400 - 4 ms - 2xHDMI, DisplayPort, 2xUSB-C - speakers - textile black

This monitor is designed with everything you need for a collaborative remote workspace. Its webcam features features like auto-framing, a busy light, and an adjustable webcam for an unmatched video conferencing experience.



Key Selling Points

- DisplayHDR 400 for more lifelike and outstanding visuals
- Webcam autoframing: for dynamic video calls
- Adjustable webcam: for video conferencing in comfort
- Webcam with noise-canceling microphone for collaboration
- Busy light: for setting your working status
- Smart KVM: for easily switching between sources
- 32:9 SuperWide screen designed to replace multiscreen setups
- Earphone hook: for customizable storage
- RJ-45 to USB-C gives easy network connection with security
- Curved display design for more immersive experience
- Access and display multiple sources on two devices

Product Features

DisplayHDR 400 for more lifelike and outstanding visuals

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 colors, delivering a visual experience that engages your senses.

Webcam autoframing: for dynamic video calls

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: for video conferencing in comfort

Level up the comfort of video conferencing with this feature. By adjusting the webcam back and forth by 30 degrees, users can comfortably call and attend meetings from any position that best suits them.

Webcam with noise-canceling microphone for collaboration

This Philips monitor comes with built-in 5MP webcam, noise-canceling 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-canceling microphone and dual integrated speakers deliver clear communications.

Busy light: for setting your working status

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 busy light 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 busy light feature can also sync with user's Microsoft Teams status.

Smart KVM: for easily switching between sources

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.

32:9 SuperWide screen designed to replace multiscreen setups

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.

Earphone hook: for customizable storage

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.

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

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. RJ-45 connection through USB-C offers a fast and secure connection when needed. Getting the fastest data speeds allows you to transfer data from an HDD to your PC faster than ever. Additionally, USB Type-C with power delivery can even enable you to power and charge your notebook from the monitor, eliminating the need for extra power cables.

Curved display design for more immersive experience

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.

Access and display multiple sources on two devices

Control and switch between two devices through a single keyboard and mouse with the built-in KVM. MultiView lets you survey both sources simultaneously on one screen. With these features, you can reduce cable clutter and save valuable time. Perfect for streamers with two PCs, content creators or when prepping devices for a LAN event.

Main Specifications

Product Description	Philips 49B2U6900CH - 6000 Series - LED monitor - curved - 49" - HDR
Device Type	LED-backlit LCD monitor - 49"
Energy Class	Class F
KVM Switch	USB
Curved Screen	Yes
Adaptive-Sync Technology	AMD Adaptive-Sync
Features	KVM Switch, Gigabit Ethernet network adapter, USB 3.2 Gen 2/USB-C hub, pop-up webcam, USB PD 100 Watt
Panel Type	VA
Aspect Ratio	32:9
Native Resolution	Dual Quad HD 5120 x 1440 at 75 Hz
Pixel Pitch	0.2328 mm
Brightness	450 cd/m ²
Contrast Ratio	3000:1 / 80000000:1 (dynamic)
HDR Capable	DisplayHDR 400
Response Time	4 ms (grey-to-grey)
Colour Support	1.07 billion colours (8-bit + FRC)
Colour Gamut	119% sRGB, 97% NTSC
Input Connectors	2xHDMI, DisplayPort, 2xUSB-C
Built-in Ethernet	Yes
Audio Input	Microphone
Built-in Webcam	5 Megapixel
Display Position Adjustments	Height, swivel, tilt
Screen Coating	Anti-glare, 3H Hard Coating, Haze 25%
Voltage	AC 100-240 V (50/60 Hz)
Colour	Textile black
Dimensions (WxDxH) - with stand (highest position)	119.3 cm x 26.8 cm x 58.3 cm
Weight	15.21 kg
Environmental Standards	ENERGY STAR Qualified
Compliant Standards	Plug and Play, DDC/CI, RoHS, BFR-free, USB Power Delivery 3.0, PVC-free, Mercury-free, TCO Certified Edge
Manufacturer Warranty	3-year warranty

Extended Specification

General

Display Type	LED-backlit LCD monitor / TFT active matrix
Energy Class	Class F
Energy Class (HDR)	Class G
Diagonal Size	49"
Viewable Size	48.8"
Curved Screen	Yes
Adaptive-Sync Technology	AMD Adaptive-Sync
Built-in Devices	KVM Switch, Gigabit Ethernet network adapter, USB 3.2 Gen 2/USB-C hub, pop-up webcam
USB Power Delivery	100 Watt
Panel Type	VA
Aspect Ratio	32:9
Native Resolution	Dual Quad HD 5120 x 1440 at 75 Hz
Pixel Pitch	0.2328 mm
Pixel Per Inch	109
Brightness	450 cd/m ²
Contrast Ratio	3000:1 / 80000000:1 (dynamic)
HDR Certification	DisplayHDR 400
Colour Support	1.07 billion colours (8-bit + FRC)
Colour Gamut	119% sRGB, 97% NTSC
Response Time	4 ms (grey-to-grey)
Horizontal Viewing Angle	178
Vertical Viewing Angle	178
Screen Coating	Anti-glare, 3H Hard Coating, Haze 25%
Backlight Technology	WLED
OSD Languages	Hungarian, Czech, Chinese (traditional), Chinese (simplified), Ukrainian, Brazilian Portuguese, English, German, French, Italian, Portuguese, Polish, Finnish, Swedish, Russian, Spanish, Dutch, Greek, Turkish, Japanese, Korean
Features	Picture in picture, picture by picture, PowerSensor, MultiView, SmartImage, Flicker Free technology, LightSensor, sRGB Mode, Delta E<2 calibration, HBR3 for USB-C, LowBlue Mode, headphone hook, SmartUniformity 93 - 105%
Colour	Textile black
Dimensions (WxDxH)	119.3 cm x 26.8 cm x 58.3 cm - with stand (highest position)
Weight	15.21 kg

Manufacturer Warranty

Service & Support	Limited warranty - 3 years
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Miscellaneous

Features	Security lock slot (cable lock sold separately), 100% recyclable packaging
MTBF	70,000 hour(s)
Compliant Standards	Plug and Play, DDC/CI, RoHS, BFR-free, USB Power Delivery 3.0, PVC-free, Mercury-free, TCO Certified Edge
Security Slot Type	Kensington security slot

Power

Input Voltage	AC 100-240 V (50/60 Hz)
Power Consumption SDR (On mode)	43 kWh/1000h

Power Consumption HDR (On mode)	93 kWh/1000h
Power Consumption (Typical)	48.1 Watt
Power Consumption Stand by	0.3 Watt
Power Consumption (Off Mode)	0 Watt
On / Off Switch	Yes

Software / System Requirements

Included Software	Philips SmartControl
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	20 - 80% RH

Audio

Type	Speakers - stereo
Output Power / Channel	5 Watt

Connectivity

Interfaces	DisplayPort 1.4 (HDCP 1.4, HDCP 2.2) 2 x HDMI (HDCP 1.4, HDCP 2.2) 2 x USB-C upstream (HDCP 1.4, HDCP 2.2, DisplayPort Alt Mode, power up to 100W) USB-C 3.2 downstream (data, power up to 15W) 3 x USB USB (fast charge BC 1.2) Headphone/microphone combo jack (mini-jack) LAN (RJ-45)
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Audio Input

Type	Microphone
Microphone Features	Noise-cancelling

Dimensions & Weight

Dimensions & Weight Details	With stand (highest position) - width: 119.3 cm - depth: 26.8 cm - height: 58.3 cm - weight: 15.21 kg Without stand - width: 119.3 cm - depth: 16.4 cm - height: 37.3 cm - weight: 11.58 kg
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Dimensions & Weight (Shipping)

Shipping Width	129 cm
Shipping Depth	30 cm
Shipping Height	47.5 cm
Shipping Weight	19.38 kg

KVM

Keyboard / Mouse Interface	USB
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Mechanical

Display Position Adjustments	Height, swivel, tilt
Tilt Angle	-5/+15
Swivel Angle	60
Height Adjustment	150 mm
VESA Mounting Interface	100 x 100 mm

Built-in Webcam

Sensor Resolution	5 Megapixel
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Features

LED indicator, auto-framing, facial recognition for Windows Hello, Windows Hello compatible, -30° / +30° tilt

Sustainability Information

ENERGY STAR Certified	Yes
ENERGY STAR Version	8.0

What's in the box

Philips 49B2U6900CH
Software

*TD SYNEX is not responsible for errors in the documentation of products.