ComX Computers
Product Specification Sheet

49B2U5900CH

Philips Professional 34" WQHD 32:9 SuperWide Curved Monitor with USB-C and Webcam

Product Overview

Philips Professional 34" Curved WQHD Va Freesync Usb-c Dock Webcam, 75Hz, DisplayPort, HDMI x2, USB-C 3.2 (PD 90W), 3W x 2, Built in, 150mm, HDMI, DP cable, USB-C-C/A Y cable, power cable



Specifications

Overview:

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.

Features:

VA display delivers awesome images with wide viewing angles
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.

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 minimum 400 nits brightness, 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.

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. 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: 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.

Secure sign-in with pop-up webcam
Philips' innovative and secure webcam pops up when you need it and securely tucks back into the monitor when you are not using it. The webcam is also equipped with advanced sensors for Windows Hello facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds, 3 times faster than a password.

Eyesafe certified blue light protection and color accuracy
Philips display meets TUV Rheinland Eyesafe(R)standard to truly protect you from the long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees color integrity.

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.

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.

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

Busylight: 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 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.

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.

Specifications:

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Specifications	
Product Code	49B2U5900CH
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	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) - at a 1800R 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	Yes
Delta E	< 2
Flicker-free	Yes
Pixel Density	109 PPI
LowBlue Mode	Yes
Display Screen Coating	Anti-Glare, 3H, Haze 25%
SmartUniformity	93 ~ 105%
EasyRead	Yes
Adaptive sync	Yes
HDR	DisplayHDR 400 certified
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)
Sync Input	Separate Sync
Audio (In/Out)	Audio out / Microphone in combo jack
RJ45	Ethernet LAN up to 1G*, 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	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)
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	3 W x 2

Plug & Play Compatibility	DDC/CI
	Mac OS
	sRGB
	Windows 11 / 10 / 8.1 / 8
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	Pop-up 5.0 megapixel camera with microphone and LED indicator (for Windows Hello)
Busylight	Yes
KVM	Yes (USB-C/USB-B)
SmartKVM	Yes
Stand	
Height adjustment	150 mm
Swivel	-/+30 degree
Tilt	-5/15 degree
Power	
ECO mode	39 W (typ.)
Power supply	Built-in
	100-240VAC, 50-60Hz
Off mode	Zero watts with AC switch
On mode	46.1 W (typ.) (EnergyStar test method)
Standby mode	0.8 W (typ.)
Power LED indicator	Operation - White
	Standby mode- White (blinking)
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 kg
Product with stand (kg)	15.21 kg kg
Product without stand (kg)	11.58 kg kg
Operating conditions	
Altitude	Operation: +12, 000ft (3, 658m), Non-operation: +40, 000ft (12, 192m)
Temperature range (operation)	0degreesC to 40 degreesC
Relative humidity	20%-80 %
Temperature range (storage)	-20degreesC to 60 degreesC
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	0.85
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
	TÜV Rheinland Low Blue Light (Hardware Solution)
Cabinet	
Finish	Texture
Foot	Silver
Front bezel	Charcoal
Rear cover	Charcoal

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/49B2U5900CH-Philips-Professional-34-WQHD-32-9-SuperWide-Curved-Monitor-with-USB-C-p-318932.php

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