PHILIPS

Philips 5000 series 49B2U5900CH/00 computer monitor 124 cm (48.8") 5120 x 1440 pixels Dual QHD LCD Black

Brand : Philips

Product family: 5000 series

Product code:
49B2U5900CH/00

Product name :
49B2U5900CH/00



Curved Business Monitor 49B2U5900CH 32:9 SuperWide curved monitor with USB-C

Philips 5000 series 49B2U5900CH/00 computer monitor 124 cm (48.8") 5120 x 1440 pixels Dual QHD LCD Black:

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.
Philips 5000 series 49B2U5900CH/00. Display diagonal: 124 cm (48.8"), Display resolution: 5120 x 1440 pixels, HD type: Dual QHD, Display technology: LCD, Response time: 4 ms, Native aspect ratio: 32:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub, USB hub version: 3.2 Gen 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: Black



Display	
Display diagonal *	124 cm (48.8")
Display resolution *	5120 x 1440 pixels
HD type *	Dual QHD
Native aspect ratio *	32:9
Display technology *	LCD
Panel type *	VA
LED backlight	✔
Backlight type	W-LED
Touchscreen *	✘
Display brightness (typical)	450 cd/m²
Response time *	4 ms
Anti-glare screen	✔
Screen shape *	Curved
Screen curvature rating	1800R
Contrast ratio (typical) *	3000:1
Contrast ratio (dynamic)	80000000:1
Dynamic contrast ratio marketing name	SmartContrast
Maximum refresh rate *	75 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	1.07 billion colours
Pixel pitch	0.2328 x 0.2328 mm
Pixel density	109 ppi
Horizontal scan range	30 - 140 kHz
Vertical scan range	48 - 75 Hz
Viewable size, horizontal	119.2 cm
Viewable size, vertical	33.5 cm
Display diagonal (metric)	124 cm

Network	
Ethernet LAN	✔

Ergonomics	
VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔
Adjustable height (max)	15 cm
Swivelling	✔
Swivel angle range	-30 - 30°
Tilt adjustment	✔
Tilt angle range	-5 - 15°
Picture-in-Picture	✔
On Screen Display (OSD)	✔
On Screen Display (OSD) languages	Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
Number of OSD languages	21
Plug and Play	✔
LED indicators	Operation, Stand-by

Power	
Energy efficiency class (SDR) *	F
Energy efficiency class (HDR) *	G

Display	
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	DisplayHDR 400
DDC/CI	✔
Haze rate	25%
Surface hardness	3H
Colour depth	8 bit
Colour gamut standard	sRGB, NTSC
Colour gamut	97%
sRGB coverage (typical)	119%
NTSC coverage (typical)	97%
Display sRGB	✔
Display panel size	48.8 inch / 124 cm

Performance	
NVIDIA G-SYNC *	✘
AMD FreeSync *	✘
Fast charging	✔
Fast charging technology	Power Delivery
VESA Adaptive Sync support	✔
Component video sync	Separate Sync
Flicker-free technology	✔
Low Blue Light technology	✔

Multimedia	
Number of speakers	2
RMS rated power	6 W
Built-in speaker(s) *	✔
Megapixel (approx.)	5 MP
Built-in microphone	✔
Built-in camera *	✔

Design	
Market positioning *	Business
Product colour *	Black
Front bezel colour	Black
Feet colour	Silver

Ports & interfaces	
Built-in USB hub *	✔
USB hub version	3.2 Gen 1 (3.1 Gen 1)
USB upstream port type	USB Type-B, USB Type-C
Number of upstream ports	2
Number of USB Type-B upstream ports quantity	1
Number of USB Type-C upstream ports quantity	1
USB Type-A downstream ports quantity	2
USB Type-C downstream ports quantity	1
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery (USB PD)	✔
USB Power Delivery up to	100 W
HDMI *	✔
HDMI ports quantity	2
HDMI version	2.0
DisplayPorts quantity	1
DisplayPort version	1.4
Audio output	✔

Power	
Energy consumption (SDR) per 1000 hours *	43 kWh
Energy consumption (HDR) per 1000 hours *	82 kWh
Power consumption (typical) *	46.1 W
Power consumption (standby) *	0.3 W
Power consumption (off)	0.3 W
Power consumption (PowerSave)	39 W
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Power supply type	Internal
Energy efficiency scale	A to G

Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Operating altitude	0 - 3658 m
Non-operating altitude	0 - 12192 m

Weight & dimensions	
Width (with stand)	1193 mm
Depth (with stand)	268 mm
Height (with stand)	583 mm
Weight (with stand)	15.2 kg
Width (without stand)	1193 mm
Depth (without stand)	164 mm
Height (without stand)	373 mm
Weight (without stand)	11.6 kg

Packaging data	
Package width	1290 mm
Package depth	475 mm
Package height	300 mm
Package weight	19.4 kg

Packaging content	
Stand included	✔
Cables included	AC, DisplayPort, HDMI, USB Type-C to USB Type-A, USB Type-C to USB Type-C
Manual	✔
Bundled software	SmartControl

Sustainability	
Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, EPEAT, TCO
Doesn't contain	Mercury, PVC/BFR

Other features	
HBR3 support	✔
Compatible operating systems	DDC/CI, Mac OS, sRGB, Windows 11 / 10 / 8.1 / 8
Picture-by-Picture (PbP)	✔
Exterior finish type	Textured
Monitor sync input signal	Separate Sync
Heavy metals free	Hg (mercury)
EasyRead mode	✔
LowBlue mode	✔
Philips SmartUniformity	93 - 105%
Compliance certificates	CB, CE, Federal Communications Commission (FCC), RoHS, cTUVus
User controls	Mic, SmartImage, Input, User, Menu, Power On/Off

Ports & interfaces	
Microphone in	✔
Built-in KVM switch	✔
HDCP	✔
HDCP version	2.2

Other features	
Picture enhancement	SmartImage
MultiView	PIP/PBP mode, 2x devices
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)
Delta E	2
Mean time between failures (MTBF)	70000 h
Ethernet LAN data rates	10,100,1000 Mbit/s
Wake-on-LAN	✔

Recycling data	
Packaging recyclability rate	100%
Product post-consumer recycled plastic	85%

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Catalog Object Cloud

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Publication date: 17-NOV-2026. Prints or copies of Information are only valid on the printed Publication date