

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

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

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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		Network	
Display diagonal *	124 cm (48.8")	Ethernet LAN	✓
Display resolution *	5120 x 1440 pixels	Ergonomics	
HD type *	Dual QHD	VESA mounting *	✓
Native aspect ratio *	32:9	Panel mounting interface	100 x 100 mm
Display technology *	LCD	Cable lock slot *	✓
Panel type *	VA	Cable lock slot type	Kensington
Backlight type	W-LED	Height adjustment *	✓
Touchscreen *	✗	Adjustable height (max)	15 cm
Display brightness (typical)	450 cd/m²	Swivelling	✓
Response time *	4 ms	Swivel angle range	-30 - 30°
Anti-glare screen	✓	Tilt adjustment	✓
Screen shape *	Curved	Tilt angle range	-5 - 15°
Screen curvature rating	1800R	Picture-in-Picture	✓
Contrast ratio (typical) *	3000:1	On Screen Display (OSD)	✓
Contrast ratio (dynamic)	80000000:1	On Screen Display (OSD) languages	Simplified Chinese, Traditional Chinese, Czech, German, Dutch, English, Spanish, Finnish, French, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Turkish, Ukrainian
Dynamic contrast ratio marketing name	SmartContrast		
Maximum refresh rate *	75 Hz		
Viewing angle, horizontal	178°	Number of OSD languages	21
Viewing angle, vertical	178°	Plug and Play	✓
Display number of colours *	1.07 billion colours	LED indicators	Operation, Stand-by
Pixel pitch	0.2328 x 0.2328 mm	Power	
Pixel density	109 ppi	Energy efficiency class (SDR) *	F
Horizontal scan range	30 - 140 kHz	Energy efficiency class (HDR) *	G
Vertical scan range	48 - 75 Hz	Energy consumption (SDR) per 1000 hours *	43 kWh
Viewable size, horizontal	119.2 cm		
Viewable size, vertical	33.5 cm		
Display diagonal (metric)	124 cm		

Display		Power	
High Dynamic Range (HDR) supported	✓	Energy consumption (HDR) per 1000 hours *	82 kWh
High Dynamic Range (HDR) technology	DisplayHDR 400	Power consumption (typical) *	46.1 W
DDC/CI	✓	Power consumption (standby) *	0.8 W
Haze rate	25%	Power consumption (PowerSave)	39 W
Surface hardness	3H	AC input voltage	100 - 240 V
Colour depth	8 bit	AC input frequency	50/60 Hz
Colour gamut standard	sRGB	Power supply type	Internal
sRGB coverage (typical)	119%	Energy efficiency scale	A to G
NTSC coverage (typical)	97%	Operational conditions	
Display sRGB	✓	Operating temperature (T-T)	0 - 40 °C
Performance		Storage temperature (T-T)	-20 - 60 °C
NVIDIA G-SYNC *	✗	Operating relative humidity (H-H)	20 - 80%
AMD FreeSync *	✗	Operating altitude	0 - 3658 m
Fast charging	✓	Non-operating altitude	3658 - 12192 m
Fast charging technology	Power Delivery	Weight & dimensions	
VESA Adaptive Sync support	✓	Width (with stand)	1193 mm
Component video sync	Separate Sync	Depth (with stand)	268 mm
Flicker-free technology	✓	Height (with stand)	586 mm
Low Blue Light technology	✓	Weight (with stand)	15.2 kg
Multimedia		Width (without stand)	1193 mm
Number of speakers	2	Depth (without stand)	164 mm
RMS rated power	6 W	Height (without stand)	373 mm
Built-in speaker(s) *	✓	Weight (without stand)	11.6 kg
Megapixel (approx.)	5 MP	Packaging data	
Built-in microphone	✓	Package width	1290 mm
Built-in camera *	✓	Package depth	475 mm
Design		Package height	300 mm
Market positioning *	Business	Package weight	19.4 kg
Product colour *	Black	Packaging content	
Front bezel colour	Black	Stand included	✓
Feet colour	Black	Cables included	AC, DisplayPort, HDMI, USB Type-C to USB Type-A, USB Type-C to USB Type-C
Ports & interfaces		Manual	✓
Built-in USB hub *	✓	Bundled software	SmartControl
USB hub version	3.2 Gen 1 (3.1 Gen 1)	Sustainability	
USB upstream port type	USB Type-B, USB Type-C	Sustainability compliance	✓
Number of upstream ports	2	Sustainability certificates	ENERGY STAR, EPEAT, TCO
Number of USB Type-B upstream ports quantity	1	Doesn't contain	Mercury, PVC/BFR
Number of USB Type-C upstream ports quantity	1	Other features	
USB Type-A downstream ports quantity	2	HBR3 support	✓
USB Type-C downstream ports quantity	1	Compatible operating systems	Mac OS X Windows 11/10/8.1/8
USB Type-C DisplayPort Alternate Mode	✓	Picture-by-Picture (PbP)	✓
USB Power Delivery (USB PD)	✓	Exterior finish type	Textured
USB Power Delivery up to	100 W	Picture enhancement	SmartImage
HDMI *	✓	Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; CU-EAC; EAEU RoHS; TUV Ergo; TUV/GS; TUV Eyesafe certified; cETLus
HDMI ports quantity	2	Heavy metals free	Hg (mercury)
HDMI version	2.0	Delta E	2
DisplayPorts quantity	1	EasyRead mode	✓
DisplayPort version	1.4	LowBlue mode	✓
Audio output	✓	Philips SmartUniformity	93 - 105%
Microphone in	✓	Compliance certificates	CB, CE, Federal Communications Commission (FCC), RoHS, cTUVus
Built-in KVM switch	✓	Mean time between failures (MTBF)	70000 h

Ports & interfaces		Other features	
HDCP	✓	Ethernet LAN data rates	10,100,1000 Mbit/s
HDCP version	1.4/2.2	Wake-on-LAN	✓
Recycling data			
		Recyclable packaging material	100%
		Post-consumer recycled plastic	85%



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