PHILIPS

Philips 5000 series 24B1U5301H/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD LCD Black

Brand : Philips

Product family: 5000 series

Product code: 24B1U5301H/00

Product name :
24B1U5301H/00

Business Monitor 24B1U5301H LCD monitor with USB-C docking

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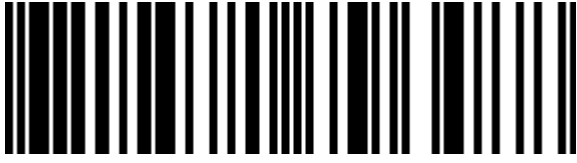
This USB-C monitor is for data transfer, power delivery and watching videos. The integrated 5 MP webcam delivers sharp images, and the noise cancelling mic lets people hear you fine. Windows Hello Webcam for quick access and strong security.
Philips 5000 series 24B1U5301H/00. Display diagonal: 60.5 cm (23.8"), Display resolution: 1920 x 1080 pixels, HD type: Full HD, Display technology: LCD, Response time: 4 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub, USB hub version: 3.2 Gen 2 (3.1 Gen 2). VESA mounting, Height adjustment. Product colour: Black

Display

Display diagonal *	60.5 cm (23.8")
Display resolution *	1920 x 1080 pixels
HD type *	Full HD
Native aspect ratio *	16:9
Display technology *	LCD
Panel type *	IPS
Backlight type	W-LED
Touchscreen *	✘
Display brightness (typical)	300 cd/m²
Response time	4 ms
Anti-glare screen	✔
Screen shape *	Flat
Contrast ratio (typical) *	1000:1
Contrast ratio (dynamic)	50000000:1
Dynamic contrast ratio marketing name	SmartContrast
Maximum refresh rate *	75 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	16.7 million colours
Pixel pitch	0.2745 x 0.2745 mm
Pixel density	93 ppi
Horizontal scan range	30 - 85 kHz
Vertical scan range	48 - 75 Hz
Viewable size, horizontal	52.7 cm
Viewable size, vertical	29.6 cm
Display diagonal (metric)	60.5 cm
DDC/CI	✔
Haze rate	25%
Surface hardness	3H

Network

Ethernet LAN	✔

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔
Height adjustment	15 cm
Pivot	✔
Pivot angle	-90 - 90°
Swivelling	✔
Swivel angle range	-180 - 180°
Tilt adjustment	✔
Tilt angle range	-5 - 30°
Picture-in-Picture	✔
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
Plug and Play	✔
LED indicators	Operation, Stand-by

Power

Energy efficiency class (SDR) *	E
Energy consumption (SDR) per 1000 hours *	18 kWh
Power consumption (typical) *	15.3 W
Power consumption (standby) *	0.3 W
AC input voltage	100 - 240 V

Display

Colour depth	8 bit
RGB colour space	sRGB
sRGB coverage (typical)	105%
NTSC coverage (typical)	88%
Display sRGB	✓

Performance

NVIDIA G-SYNC *	✗
AMD FreeSync *	✗
Fast charging	✓
Fast charging technology	Power Delivery
Component video sync	Separate sync
Flicker-free technology	✓
Low Blue Light technology	✓
HBR3 support	✓
Compatible operating systems	Mac OS X Windows 11 / 10 / 8.1 / 8 / 7

Multimedia

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

Design

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

Ports & interfaces

Built-in USB hub *	✓
USB hub version	3.2 Gen 2 (3.1 Gen 2)
USB upstream port type	USB Type-C
Number of upstream ports	1
USB Type-A downstream ports quantity	4
USB Type-C downstream ports quantity	1
USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓
USB Power Delivery up to	90 W
HDMI *	✓
HDMI ports quantity	1
HDMI version	1.4
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone out *	✓
HDCP	✓
HDCP version	1.4/2.2
DisplayPort output	✓

Power

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	3658 - 12192 m

Packaging content

Stand included	✓
Cables included	HDMI, DisplayPort, USB Type-C, AC
Manual	✓
Bundled software	SmartControl

Weight & dimensions

Width (with stand)	540 mm
Depth (with stand)	205 mm
Height (with stand)	500 mm
Weight (with stand)	5.5 kg
Width (without stand)	540 mm
Depth (without stand)	51 mm
Height (without stand)	323 mm
Weight (without stand)	3.9 kg

Packaging data

Package width	600 mm
Package depth	198 mm
Package height	406 mm
Package weight	8.32 kg

Sustainability

Sustainability compliance	✓
Sustainability certificates	ENERGY STAR, TCO, RoHS
Doesn't contain	Mercury, PVC/BFR
European Product Registry for Energy Labelling (EPREL) code	1325579

Recycling data

Post-consumer recycled plastic	85%

Other features

Picture-by-Picture (PbP)	✓
Exterior finish type	Textured
Picture enhancement	SmartImage
Recyclable packaging material	100%
Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; CU-EAC; EAEU RoHS; TUV Ergo; TUV/GS; TUV Eye Comfort certified; cETLus
Light sensor	✓
EasyRead mode	✓
LowBlue mode	✓
Mean time between failures (MTBF)	70000 h
Ethernet LAN data rates	10,100,1000 Mbit/s
Wake-on-LAN	✓

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