PHILIPS

5K2K UltraWide
Thunderbolt™ monitor

Business Monitor

6000 series

40 (39.7"/100.9 cm diag.)

5120 x 2160 (5K2K)

40B1U6903CH

Simply brilliant

with a pop-up webcam

The Philips Thunderbolt™ 4 monitor delivers a secure, reliable one-cable docking solution, delivering sharp images, and a noise-cancelling mic lets people hear you clearly. Features a pop-up webcam for quick access and robust security.

Thunderbolt™ 4 port for flexibility and performance
- Simple and powerful daisy chaining for multi-monitor setups
- Delivers up to 90 W of power for devices on a single port
- Lightning-fast connectivity for data, video and Ethernet

Vibrant colours, incredible depth, finest details
- IPS LED wide view technology for image and colour accuracy
- UltraWide 5K2K (5120 x 2160) resolution for fine details

Designed for the way you work
- Secure sign-in with pop-up webcam
- Eyesafe-certified blue light protection and colour accuracy
- Built-in KVM switch to easily switch between sources
- Collaboration-ready webcam with noise-cancelling mic.
- Earphone hook: Accessory within reach

Designed for sustainability
- PowerSensor saves up to 80% energy costs
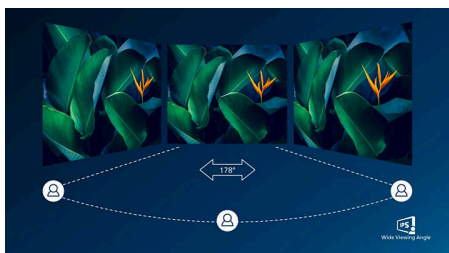
Highlights

Thunderbolt daisy chain setup

Daisy chaining allows you to drive multiple monitors and devices from a single Thunderbolt port on your laptop. From the Thunderbolt port of your laptop, connect to this monitor, then from the second Thunderbolt port on this monitor you can connect to a second 4K monitor.

Thunderbolt™ 4 monitor

This Philips docking monitor is equipped with Thunderbolt™ 4 connection. Compared with conventional USB-C monitors, Thunderbolt™ 4 technology provides lightning-fast 40 Gbps data transfer speeds, supports high-resolution video, offers multi-stream transport for daisy chaining, has up to 90 W of power delivery to external devices and can provide a stable 1 Gbit/s Ethernet connection.
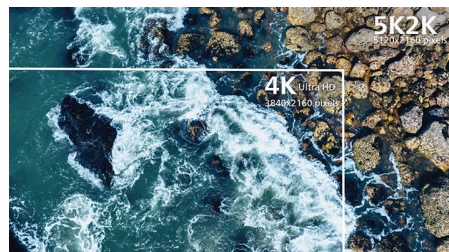
IPS technology

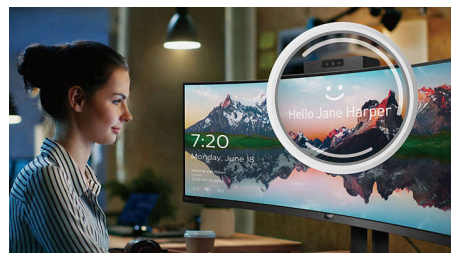IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

UltraWide 5K2K

With UltraWide 5K2K resolution, the colour depth is delivered more vividly and the fine details of the visuals can't be missed. Productivity is redefined thanks to the additional screen space.

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.

TUV Rheinland Eyesafe

Philips display meets the TUV Rheinland Eyesafe® standard to truly protect you from long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees colour integrity.

MultiClient Integrated KVM

With the MultiClient Integrated KVM switch, you can control two separate PCs with one monitor-keyboard-mouse setup. A convenient button allows you to quickly switch between sources. Handy with setups that require dual PC computing power or sharing one large monitor to show two different PCs.

THUNDERBOLT™ | Wide Viewing Angle | MultiClient Integrated KVM | Noise cancellation | PowerSensor | HDR | Multiview

Highlights

Webcam and noise-cancelling mic

This Philips monitor comes with a built-in 5 MP webcam, noise-cancelling microphone and speakers, making it perfect for working from home and collaborating remotely. It is equipped with advanced sensors that work seamlessly with Windows Hello facial recognition, allowing you to log into your Windows devices in less than 2 seconds. For added privacy, a physical camera switch lets you d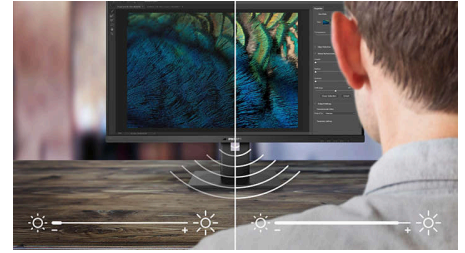isable the webcam when not in use. The noise-cancelling microphone and dual 5 watt integrated speakers ensure clear communication.

Earphone hook

The unique design of the headphone hook on the side of the Philips monitor brings the tidiness and cable management of your working station to the next level. Its easy access lets you put aside your headphones easily, making sure that all of the accessories you need are within reach.

PowerSensor

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and then automatically reduces monitor brightness when then user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

THUNDERBOLT.   Wide Viewing Angle   eyesafe CERTIFIED   RPF 50   MultiClient Integrated KVM   Noise cancellation   PowerSensor

Specifications

Picture/Display

Panel Size: 39.7 inch/100.9 cm

Aspect ratio: 21:9

LCD panel type: IPS technology

Backlight type: W-LED system

Pixel pitch: 0.1815 x 0.1815 mm

Brightness: 300 cd/m²

Display colours: Colour support 1.07 billion colours (8-bit + A-FRC)

Colour gamut (typical): NTSC 103%*, sRGB 134%*

Colour gamut (min.): DCI-P3 98%*

Contrast ratio (typical): 1000:1

SmartContrast: 80,000,000:1

Response time (typical): 4 ms (Grey to Grey)*

Viewing angle: 178º (H)/178º (V), @ C/R > 10

Picture enhancement: SmartImage

Maximum resolution: 5120 x 2160 @ 75 Hz*

Effective viewing area: 929.28 (H) x 392.04 (V) - at a 2500 R curvature*

Scanning Frequency: HDMI: 30 - 140 kHz (H)/30 - 60 Hz (V); DP/Thunderbolt 4: 30 - 170 kHz (H)/48 - 75 Hz (V)

sRGB

Delta E: < 2

SoftBlue

Flicker-free

Pixel Density: 140 PPI

Display Screen Coating: Anti-Glare, 3H, Haze 25%

SmartUniformity: 93 ~ 105%

EasyRead

Adaptive sync

HDR: HDR 10 supported

Connectivity

Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, Thunderbolt 4 x 1 (upstream, Data, Video, PD 90 W)

Sync Input: Separate Sync

Audio (In/Out): Audio out/Microphone in combo jack

RJ45: Ethernet LAN up to 1 G*, Wake on LAN

Signal Output: Thunderbolt 4 out x 1 (downstream, Data, PD 15 W)

HDCP: HDCP 1.4 (HDMI/DisplayPort/USB-C), HDCP 2.2 (HDMI/DisplayPort/USB-C)

HBR3: HBR 3 (TBT4/DisplayPort)

USB Hub: USB 3.2 Gen 2/10 Gbps, USB-B upstream x 1, USB-A downstream x 4 (with 1 for fast charge B.C 1.2), USB-C downstream x 1 (Data, PD 45 W)

Power Delivery

Max power delivery: Up to 90 W (5 V/3 A, 7 V/3 A, 9 V/3 A, 10 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/4.25 A)

Version: USB PD version 3.0

Convenience

Built-in Speakers: 5 W x 2

Plug and Play Compatibility: DDC/CI, Mac OS X, 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 (100 x 100 mm)

Control software: SmartControl

MultiView: PIP/PBP mode, 2 x devices

Built-in webcam: Pop-up 5.0 megapixel camera with a microphone and LED indicator (for Windows Hello)

KVM: Yes (TBT4/USB-B)

Noise cancellation

Stand

Height adjustment: 150 mm

Swivel: -/+45 degree

Tilt: -5/15 degree

Power

ECO mode: 44.6 W (typ.)

Power supply: Built-in, 100–240 VAC, 50–60 Hz

Off mode: Zero watts with AC switch

On mode: 58.3 W (typ.) (Energy Star test method)

Standby mode: 0.44 W (typ.)

Power LED indicator: Operation - White, Standby mode - White (flashing)

Energy Label Class: G

Specifications

Dimensions

Packaging in mm (W x H x D):
1150 x 565 x 211 mm
Product without stand (mm):
948 x 426 x 109 mm
Product with stand (max height):
948 x 605 x 236 mm

Weight

Product with packaging (kg): 17.17 kg
Product with stand (kg): 13.50 kg
Product without stand (kg): 10.30 kg

Operating conditions

Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
Temperature range (operation): 0°C to 40 °C
Relative humidity: 20%-80 %
Temperature range (storage): -20°C to 60 °C
MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

Environmental and energy: PowerSensor, LightSensor, Energy Star 8.0, EPEAT*, RoHS, TCO Certified Edge

Post-consumer recycled plastic: 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: Black
Front bezel: Black
Rear cover: Black

What's in the box?

Cables: HDMI cable, DisplayPort cable, TBT4 cable, Power cable
Monitor with stand
User Documentation

* Radius of the arc of the display curvature in mm
* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* This Philips display is capable of achieving up to 75 Hz refresh rates through its Thunderbolt and DP connector. The HDMI port only supports 5120 x 2160 @ 50 Hz.
* Response time value equal to SmartResponse
* DCI-P3 Coverage based on CIE1976
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* Activities such as screen sharing and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the overall audio and video quality.
* For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.
* If your Ethernet connection seems slow, please enter the OSD menu and select USB 3.0 or a higher version that can support the LAN speed up to 1G.
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* The monitor may look different from feature images.

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