

# PHILIPS

32:9 SuperWide curved  
monitor with USB-C

Curved Business  
Monitor

6000 series

45 (44.5" / 113 cm diag.)

5120 x 1440 (Dual QHD)

45B1U6900CH



## Beyond well-equipped with a pop-up webcam

This USB-C monitor is great for watching videos, data transfer and power delivery. The integrated 5 MP webcam delivers sharp images, and a noise-cancelling mic lets people hear you clearly. Features a pop-up webcam for quick access and robust security.

### Superb Picture Quality

- VA display delivers awesome images with wide viewing angles
- DisplayHDR 400 for more lifelike and outstanding visuals

### Single cable USB-C connection

- RJ-45 to USB-C gives easy network connection with security
- USB 3.2 high-speed data transfer

### 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.
- Curved display design for a more immersive experience
- 32:9 SuperWide: for replacing multi-screen setups

### Designed for sustainability

- PowerSensor saves up to 80% energy costs

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## Highlights

### DisplayHDR 400



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 colours. With global dimming and minimum 400 nits of brightness, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colours, delivering a visual experience that engages your senses.

### USB-C Docking with RJ45



Simplify all peripherals from monitor to PC using one-cable docking USB Type-C connector, including networking, high-resolution video output from PC to monitor, and surfing on the Internet without an additional network cable, even without a 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.

### 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.

### 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.

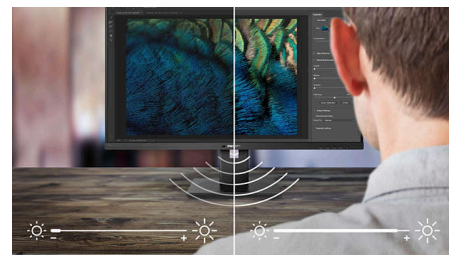
### Webcam and noise-cancelling mic



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 disable the webcam when not in use. The noise-cancelling microphone and dual 5 watt integrated speakers ensure clear communication.

### 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

### 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.



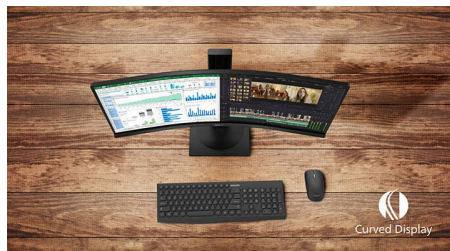
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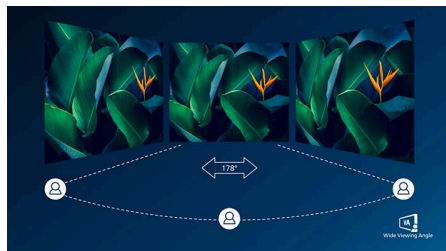
## Highlights

### Curved display design



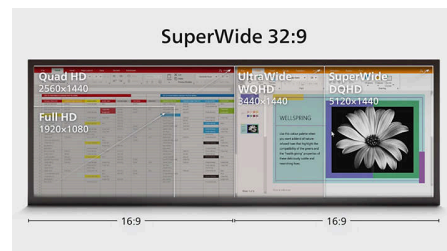
Desktop monitors offer a personal user experience, which suits a curved design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the centre of your desk.

### VA display



The Philips VA LED display uses an advanced multi-domain vertical alignment technology that 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, films, gaming and demanding graphical applications. Its optimised pixel management technology gives you a 178/178 degree extra-wide viewing angle, resulting in crisp images.

### 32:9 SuperWide



This monitor's 32:9 SuperWide screen provides users with the ultimate replacement for a multi-screen desktop. With a singular 44.5 inch screen that is equivalent to two 23.8 inch 16:9 QHD monitors, it allows users to work seamlessly without having to daisy chain and increases productivity by offering users a large screen to open complex spreadsheets and view videos in their full form.



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## Specifications

### Picture/Display

**Panel Size:** 44.5 inch / 113 cm  
**Aspect ratio:** 32:9  
**LCD panel type:** VA LCD  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2124 x 0.2124 mm  
**Brightness:** 450 cd/m<sup>2</sup>  
**Display colours:** 16.7 M (8 bit)  
**Colour gamut (typical):** NTSC 107%\*, sRGB 123%\*  
**Contrast ratio (typical):** 3000:1  
**SmartContrast:** 80,000,000:1  
**Response time (typical):** 4 ms (Grey to Grey)\*  
**Viewing angle:** 178° (H)/178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 5120 x 1440 @ 75 Hz  
**Effective viewing area:** 1087.488 (H) x 305.856 (V) - at a 1500R curvature\*  
**Scanning Frequency:** 30–114 kHz (H)/48–75 Hz (V)  
**sRGB**  
**Delta E:** < 2  
**Flicker-free**  
**Pixel Density:** 120 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 2H, Haze 25%  
**SmartUniformity:** 93 ~ 105%  
**EasyRead**  
**Adaptive sync**  
**HDR:** DisplayHDR 400 certified

### Connectivity

**Signal Input:** HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C x 2 (upstream, DP Alt mode, Data, PD up to 100 W)  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out/Microphone in combo jack  
**RJ45:** Ethernet LAN up to 1 G\*, 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 2 / 10 Gbps, USB-A downstream x 4 (with 1 for fast charge B.C 1.2), USB-C downstream x 1 (Data, PD 15 W)

### Power Delivery

**Max power delivery:** Up to 100 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/4.8 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 (USB-C/USB-C)  
**Noise cancellation**

### Stand

**Height adjustment:** 150 mm  
**Swivel:** -/+45 degree  
**Tilt:** -5/15 degree

### Power

**ECO mode:** 39.4 W (typ.)  
**Power supply:** Built-in, 100–240 VAC, 50–60 Hz  
**Off mode:** Zero watts with AC switch  
**On mode:** 46.3 W (typ.) (EnergyStar test method)  
**Standby mode:** 0.3 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (flashing)  
**Energy Label Class:** G

### Dimensions

**Packaging in mm (W x H x D):** 1180 x 235 x 535 mm  
**Product without stand (mm):** 1085 x 337 x 158 mm  
**Product with stand (max height):** 1085 x 515 x 238 mm

### Weight

**Product with packaging (kg):** 17.26 kg  
**Product with stand (kg):** 12.96 kg  
**Product without stand (kg):** 9.90 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, USB-C to C cable, Power cable  
**Monitor with stand**  
**User Documentation**



\* Radius of the arc of the display curvature in mm  
\* Response time value equal to SmartResponse  
\* 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.  
\* The USB-C power delivery of this display is up to 100 W (96 W in typical). The maximum power delivery will depend on your device.  
\* When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.  
\* 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.