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 pop-up webcam

This USB-C monitor is for video watching, data transfer and power delivery. The integrated 5MP webcam delivers sharp images, and noise cancelling mic let people hear you fine. Pop-up webcam for quick access and strong 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

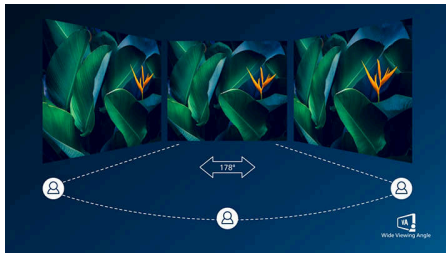**Designed for the way you work**
- Secure sign-in with pop-up webcam
- Eyesafe certified blue light protection and color accuracy
- Built-in KVM switch to easily switch between sources
- Collaboration-ready webcam with noise-cancelling mic.
- Curved display design for more immersive experience
- 32:9 SuperWide: for replacing multiscreen setups

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

Highlights

VA display

Philips VA LED display uses an advanced multi-domain vertical alignment technology which 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, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

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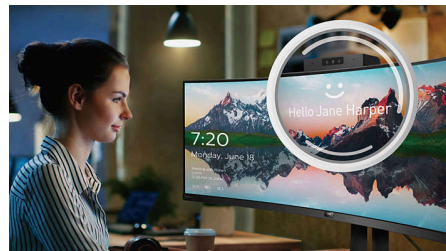
renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.

USB-C Docking with RJ45

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

TUV Rheinland Eyesafe

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

MultiClient Integrated KVM

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

Wide Viewing Angle | VESA CERTIFIED DisplayHDR 400 | eyesafe CERTIFIED · RPF 50 | MultiClient Integrated KVM | Noise cancellation | CurvedDisplay | PowerSensor | Multiview
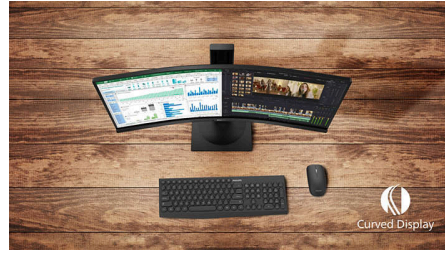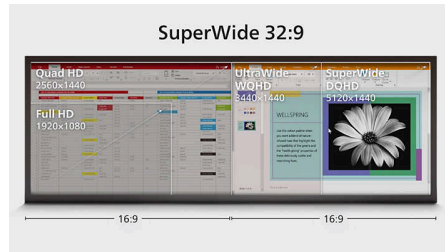
Highlights

Webcam & noise cancelling mic

This Philips monitor comes with a built-in 5MP 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.

Curved display design

Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.
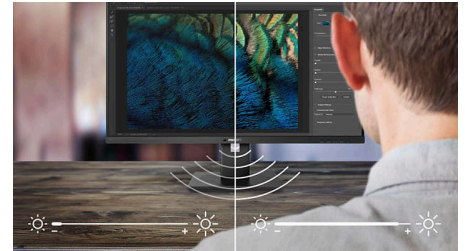
32:9 SuperWide

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.

PowerSensor

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

Wide Viewing Angle

VESA CERTIFIED DisplayHDR 400

eyesafe CERTIFIED RPF 50

MultiClient Integrated KVM

Noise cancellation

CurvedDisplay

Curved Business Monitor

32:9 SuperWide curved monitor with USB-C

45B1U6900CH/27

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/m²
Display colors: 16.7 M (8 bit)
Color gamut (typical): NTSC 107%*, sRGB 123%*
Contrast ratio (typical): 3000:1
SmartContrast: 80,000,000:1
Response time (typical): 4 ms (Gray to Gray)*
Viewing angle: 178º (H) / 178º (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 100W)

Sync Input: Separate Sync
Audio (In/Out): Audio out / Microphone in combo jack
RJ45: Ethernet LAN up to 1G*, 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 15W)

Power Delivery

Max power delivery: Up to 100 W* (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.8A)
Version: USB PD version 3.0

Convenience

Built-in Speakers: 5 W x 2
Plug & 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 (100x100mm)
Control software: SmartControl
MultiView: PIP/PBP mode, 2x devices
Built-in webcam: Pop-up 5.0 megapixel camera with 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, 100-240VAC, 50-60Hz
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 (blinking)

Dimensions

Packaging in mm (WxHxD): 1180 x 235 x 535 mm
Product without stand (mm): 1085 x 337 x 158 mm
Packaging in inch (WxHxD): 46.5 x 9.3 x 21.1 inch
Product without stand in inch: 42.7 x 13.3 x 6.2 inch
Product with stand(max height): 1085 x 515 x 238 mm
Product with stand(max height): 42.7 x 20.3 x 9.4 inch

Specifications

Weight

Product with packaging (kg): 17.26 kg
Product with stand (kg): 12.96 kg
Product with packaging (lb): 38.0 lb
Product with stand (lb): 28.5 lb
Product without stand (kg): 9.90 kg
Product without stand (lb): 21.8 lb

Operating conditions

Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
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, EnergyStar 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/A Y 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 CIE1976
* 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, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine 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 OSD menu and select USB 3.0 or higher version which can support the LAN speed 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.

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