Philips Brilliance
4K Ultra HD LCD display
with MultiView

P Line
43 (42.51" / 108 cm diag.)
3840 x 2160 (4K UHD)

Brilliance

439P1

Master every task in a crisp view

The Philips USB-C docking display for comprehensive solution. View UltraClear 4K UHD and re-charge a laptop, all at the same time with a single USB-C cable. Integrated KVM switch and multiple connection for performance and convenience.

Single cable USB-C connection
- USB-C enables laptop power charging directly from monitor
- Built in RJ-45 ethernet gives data security

Expand your viewing experience
- UltraClear 4K UHD (3840x2160) resolution for precision
- VA display delivers awesome images with wide viewing angles
- DisplayHDR 400 for more lifelike colorful visuals
- Ultra Wide-Color wider range of colors for a vivid picture

Designed for the way you work
- MultiView 4K for 4 systems on one screen
- Built-in KVM switch to easily switch between sources
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- Tilt, swivel and height-adjust for an ideal viewing position
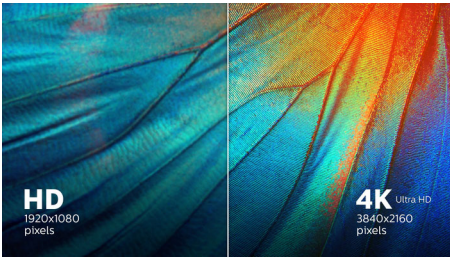
PHILIPS

Highlights

USB Type-C connection

This Philips display features a built-in USB type-C docking station with power delivery. With intelligent and flexible power management, you can power charge your compatible* laptop directly. Its slim, reversible USB-C connector allows for easy, one-cable docking. Simplify by connecting all your peripherals like keyboard, mouse and your RJ-45 Ethernet cable to the monitor's docking station. You can watch high resolution video and transfer data at a super-speed, while powering up and re-charging your notebook at the same time.

UltraClear 4K UHD Resolution

HD 1920x1080 pixels
4K Ultra HD 3840x2160 pixels

These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.
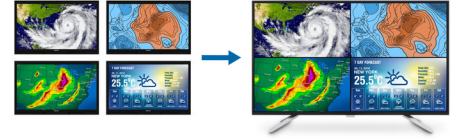
DisplayHDR 400

SDR   HDR

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 peak brightness up-to 400 nits, 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.

Ultra Wide-Color Technology

Ultra Wide-Color

Normal

Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

MultiView technology for 4K

Philips MultiView feature on this expansive 4K UHD display enables you to have up to four systems each shown in Full HD on one screen. You can use the Picture-by-Picture (PbP) for monitoring four systems on one screen for control rooms or security. Or for multiple devices like two notebooks side-by-side simultaneously, making collaboration more productive. Or Picture-in-Picture mode (PiP) watching a live football feed from your set-top box, while working on your PC.

MultiClient Integrated KVM

MultiClient KVM Device 1   MultiClient KVM Device 2

Device 1   Device 2   Device 1   Device 2

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.

USB-C Docking   4K Ultra HD   Wide Viewing Angle   VESA CERTIFIED DisplayHDR 400   Ultra Wide-Color   MultiView   Flicker-free   LowBlue Mode   EasyRead

Specifications

Picture/Display

- LCD panel type: VA LCD
- Backlight type: W-LED system
- Panel Size: 42.51 inch / 108 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 941.184 (H) x 529.416 (V) mm
- Aspect ratio: 16:9
- Maximum resolution: HDMI 1.4: 3840 x 2160 @ 30 Hz; HDMI 2.0 / DP / USB-C: 3840 x 2160 @ 60 Hz
- Pixel Density: 103.64 PPI
- Response time (typical): 4 ms (Gray to Gray)*
- Brightness: 400 cd/m²
- Contrast ratio (typical): 4000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.2451 x 0.2451 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 105%*, sRGB 126%*, Adobe RGB 90%*
- HDR: DisplayHDR 400 certified
- Scanning Frequency: 30 - 140 kHz (H) / 48 - 60 Hz (V)
- SmartUniformity: 93 ~ 105%
- Delta E: < 2 (sRGB)
- sRGB
- Flicker-free
- LowBlue Mode
- EasyRead
- Adaptive sync

Connectivity

- Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 2, HDMI 1.4 x 1, USB-C 3.2 Gen 2 x 1 (upstream, data, power delivery)
- HDCP: HDCP 1.4 (HDMI 1.4 / HDMI 2.0 / DP 1.4 / USB-C), HDCP 2.2 (HDMI 2.0 / DP 1.4 / USB-C)
- HBR3: USB-C
- USB:: Upstream: USB-C x 1, USB-B x 1; Downstream: USB 3.2 x 3 (with 1 fast charge B.C 1.2), USB-C x 1 (for PD 15W only)
- Audio (In/Out): Headphone out
- Sync Input: Separate Sync
- RJ45: Ethernet LAN up to 1G*, Wake on LAN
- RS232

USB

- USB-C: Reversible plug connector
- Super speed: Data and Video transfer
- DP: Built-in Display Port Alt mode
- Power delivery: USB PD version 3.0
- USB-C max. power delivery: USB-C1: up to 90 W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A), USB-C2: up to 15W (5V/3A)

Convenience

- Built-in Speakers: 5 W x 2
- MultiView: PIP/PBP mode, 4x devices
- KVM: USB-C, USB-B
- User convenience: SmartImage, Input, User, Menu, Power On/Off
- Control software: SmartControl

- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukranian
- Other convenience: Kensington lock, VESA mount (200x200mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

- Height adjustment: 100 mm
- Swivel: -/+ 45 degree
- Tilt: -5 ~ 23 degree

Power

- ECO mode: 43.9 W (typ.)
- On mode: 46 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions

- Product with stand(max height): 978 x 677 x 281 mm
- Product with stand(max height): 38.5 x 26.7 x 11.1 inch
- Product without stand (mm): 978 x 573 x 78 mm
- Product without stand in inch: 38.5 x 22.6 x 3.1 inch
- Packaging in mm (WxHxD): 1150 x 704 x 284 mm
- Packaging in inch (WxHxD): 45.3 x 27.7 x 11.2 inch

Weight

- Product with stand (kg): 18.00 kg
- Product with stand (lb): 39.60 lb
- Product without stand (kg): 12.40 kg
- Product without stand (lb): 27.28 lb
- Product with packaging (kg): 23.30 kg
- Product with packaging (lb): 51.26 lb

Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: EnergyStar 8.0, RoHS
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free
- Post consumer recycled plastic: 85%

Compliance and standards

- Regulatory Approvals: CB, TUV/GS, TUV Ergo, SEMKO, CU-EAC, EAEU RoHS, CE Mark, FCC Class B, ICES-003

Cabinet

- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

What's in the box?

- Monitor with stand
- Cables: HDMI cable, DP cable, USB-A to B cable, USB-C to C/A Y cable, Power cable
- User Documentation

* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* Adobe RGB Coverage based on CIE1976
* 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.
* 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.
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* 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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