PHILIPS

4K Ultra HD LCD display with MultiView

Business Monitor

P Line

43 (42.51"/108 cm diag.)

3840 x 2160 (4K UHD)

439P1

Master every task in a crisp view

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

Expand your viewing experience
- UltraClear 4K UHD (3840 x 2160) resolution for precision
- VA display delivers awesome images with wide viewing angles
- Ultra Wide-Color wider range of colours for a vivid picture
- DisplayHDR 400 for more lifelike and outstanding visuals

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

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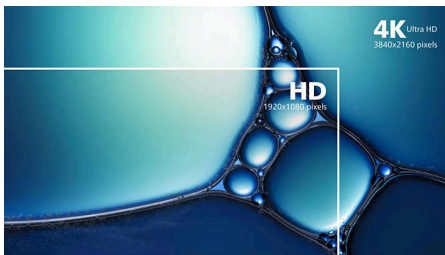- Built-in KVM switch to easily switch between sources
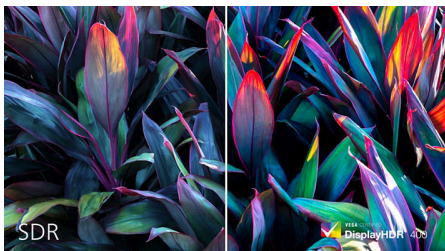
Highlights

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 super-speed, while powering up and re-charging your notebook at the same time.

UltraClear 4K UHD Resolution

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

DisplayHDR 400

VESA-certified DisplayHDR 400 delivers a significant step up from normal SDR displays. Unlike other 'HDR-compatible' screens, true
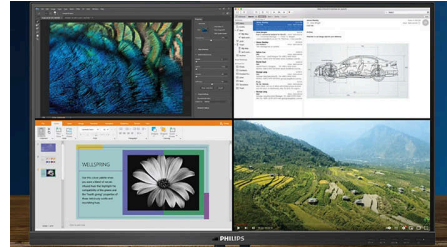
DisplayHDR 400 produces astonishing brightness, contrast and colours. With global dimming and minimum 400 nits of brightness, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colours, delivering a visual experience that engages your senses.

Ultra Wide-Color Technology

Ultra Wide-Color Technology delivers a wider spectrum of colours for a more brilliant picture. The Ultra Wide-Color wider "colour gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images and even productivity more alive with vivid colours 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 Picture-by-Picture (PbP) to monitor 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.
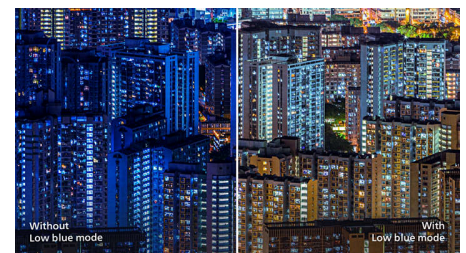
MultiClient Integrated KVM

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.

Flicker-Free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.
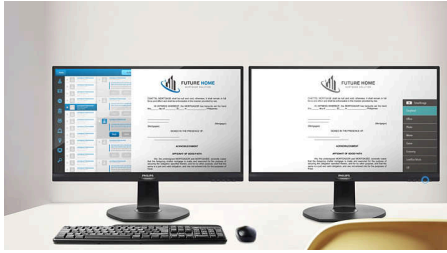
LowBlue Mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.
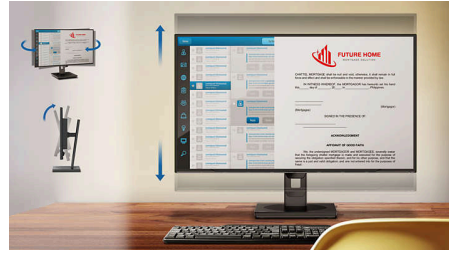

4K Ultra HD   VESA CERTIFIED DisplayHDR 400   Ultra Wide Color   MultiClient Integrated KVM   Flicker-free   LowBlue Mode   EasyRead   CompactErgo Base
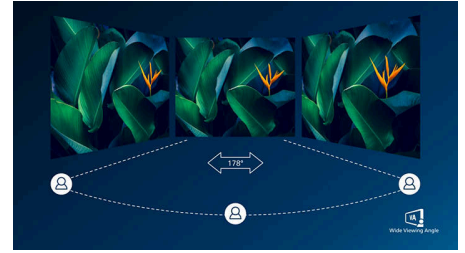
Highlights

EasyRead mode

EasyRead mode for a paper-like reading experience

Compact Ergo Base

The Compact Ergo Base is a people-friendly Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

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.

4K Ultra HD

VESA CERTIFIED
DisplayHDR 400

Ultra Wide Color

MultiClient Integrated KVM

Flicker-free

LowBlue Mode

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439P1/01

Specifications

Picture/Display

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

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)
Sync Input: Separate Sync
Audio (In/Out): Headphone out
RJ45: Ethernet LAN up to 1 G*, Wake on LAN
RS232
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 15 W only)
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

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

Convenience

Built-in Speakers: 5 W x 2
Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10/8.1/8/7
User convenience: SmartImage, Input, User, Menu, Power On/Off
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, Ukrainian
Other convenience: Kensington lock, VESA mount (200 x 200 mm)
Control software: SmartControl
MultiView: PIP/PBP mode, 4 x devices
KVM: USB-C, USB-B

Stand

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

Power

ECO mode: 43.9 W (typ.)
Power supply: Built-in, 100–240 VAC, 50–60 Hz
Off mode: Zero watts with Zero switch
On mode: 46 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): 1150 x 704 x 284 mm
Product without stand (mm): 978 x 573 x 78 mm
Product with stand (max height): 978 x 713 x 281 mm

Weight

Product with packaging (kg): 23.30 kg
Product with stand (kg): 18.00 kg
Product without stand (kg): 12.40 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: Energy Star 8.0, RoHS
Post-consumer recycled plastic: 85%
Recyclable packaging material: 100 %
Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards

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

Cabinet

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

What's in the box?

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

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* Response time value equal to SmartResponse
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
* Adobe RGB Coverage based on CIE 1976
* 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.
* 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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