PHILIPS

4K Ultra HD LCD display with MultiView

Brilliance

P Line

43 (42.51" / 108 cm diag.)

3840 x 2160 (4K UHD)

438P1

Master every task in a crisp view

This Philips Brilliance 43¨ 4K display delivers expansive and crisp visuals. Productivity enhancing features like MultiView and multiple connection for performance and convenience.
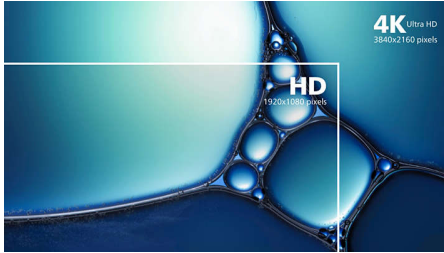
Expand your viewing experience
- SmartImage presets for easy optimized image settings
- Expansive 43-inch class brilliant display
- UltraClear 4K UHD (3840x2160) resolution for precision
- IPS LED wide view technology for image and color accuracy
- MultiView 4K for 4 systems on one screen
- SmartUniformity for consistent images

Designed for the way you work
- VESA mount allows for the perfect setup
- DisplayPort connection for maximum visuals
- HDMI ensures universal digital connectivity
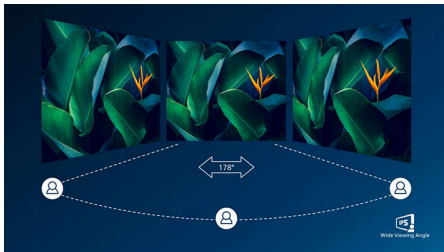- Less eye fatigue with Flicker-free technology
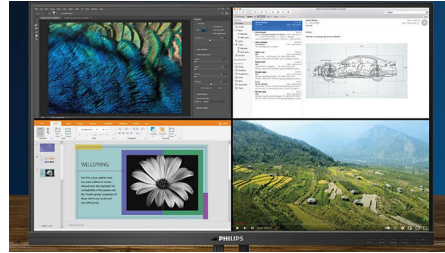
Highlights

UltraClear 4K UHD Resolution

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.
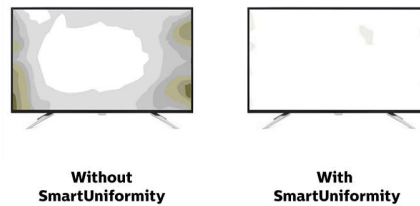
IPS technology

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

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.

SmartUniformity

Without SmartUniformity   With SmartUniformity

Fluctuations in brightness and color on LCD screens are a common phenomenon. Philips SmartUniformity mode delivers accurate images in terms of brightness; which is crucial for photography, design, and printing. With a color metric to assess color accuracy, this mode is calibrated to meet average luminance uniformity is greater than 95%. Selecting this mode will produce uniform and accurate images.

SmartImage

SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

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.

4K Ultra HD   IPS Wide Viewing Angle   SmartImage™   Flicker-free   HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Highlights

HDMI Ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all

transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

DisplayPort connection

DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support

up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

VESA mount
VESA pattern guarantees compatibility hundreds of innovative mounting solutions.

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Specifications

Picture/Display

Panel Size: 42.51 inch / 108 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.2451 x 0.2451 mm
Brightness: 400 cd/m²
Display colors: Color support 1.07 billion colors
Color gamut (typical): NTSC 88%*, sRGB 102%*
Contrast ratio (typical): 1200:1
SmartContrast: 50,000,000:1
Response time (typical): 5 ms (Gray to Gray)*
Viewing angle: 178º (H) / 178º (V), @ C/R > 10
Picture enhancement: SmartImage
Maximum resolution: 3840 x 2160 @ 60 Hz*
Effective viewing area: 941.184 (H) x 529.416 (V) mm
Scanning Frequency: 30 - 140 kHz (H) / 23 - 75 Hz (V)
sRGB
Delta E: 3
Flicker-free
Pixel Density: 103.46 PPI
Display Screen Coating: 3H, Haze 1%
SmartUniformity: 96 ~ 105%

Connectivity

Signal Input: VGA (Analog), DisplayPort 1.2 x 2, HDMI 2.0 x 2
Sync Input: Separate Sync, Sync on Green
Audio (In/Out): PC audio-in, Audio out
USB:: USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)
HDCP: HDCP 2.2 (HDMI / DP)

Convenience

Built-in Speakers: 5 W x 2
Plug & 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 (200x200mm)
Control software: SmartControl
MultiView: PIP (2x devices), PBP (4x devices)

Power

ECO mode: 53.3 W (typ.)
Power supply: Built-in, 100-240VAC, 50-60Hz
Off mode: Zero watts with Zero switch
On mode: 100 W (typ.)
Standby mode: 0.3 W
Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 1070 x 680 x 186 mm
Product without stand (mm): 973 x 561 x 64 mm
Product with stand(max height): 973 x 633 x 259 mm

Weight

Product with packaging (kg): 14.74 kg
Product with stand (kg): 11.78 kg
Product without stand (kg): 11.06 kg

Operating conditions

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

Sustainability

Environmental and energy: RoHS
Recyclable packaging material: 100 %
Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards

Regulatory Approvals: CB, SEMKO, PSB, CE Mark

Cabinet

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

What's in the box?

Accessory: Remote control

* The maximum resolution works for either USB-C, DP or HDMI input.
* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* The monitor may look different from feature images.