

# PHILIPS



4K HDR display with  
Ambiglow

Momentum

Momentum

43 (42.51" / 108 cm diag.)

3840 x 2160 (4K UHD)



436M6VBRAB

## Get in the moment

The Momentum display with HDR and immersive Ambiglow lighting brings you to experience a new level of entertainment immersion. HDR technology with an expansive UHD display gives impeccable picture quality to reveal fine details.

### Superb Picture Quality

- Ultra Wide-Color wider range of colors for a vivid picture
- High Dynamic Range (HDR) for more lifelike colorful visuals

### Brilliant performance

- Ambiglow intensifies entertainment with halo of light
- Effortlessly smooth action with Adaptive-Sync technology
- Enhanced audio with DTS Sound™
- Low input lag reduces time delay between devices to monitor

### Expand your viewing experience

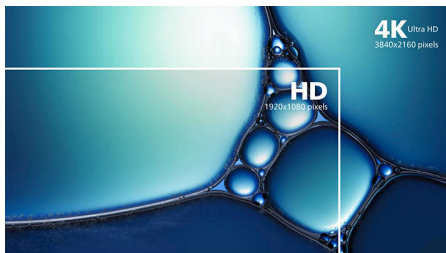
- MultiView 4K for 4 systems on one screen
- UltraClear 4K UHD (3840x2160) resolution for precision

### Designed for the way you work

- All your connections through one USB-C cable
- USB 3.0 Hub for convenient access and fast charging

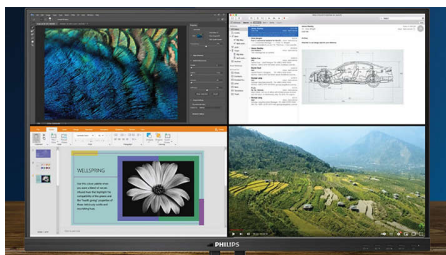
# Highlights

## UltraClear 4K UHD Resolution



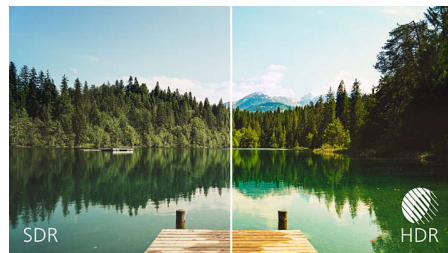
These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips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

## MultiView technology for 4K



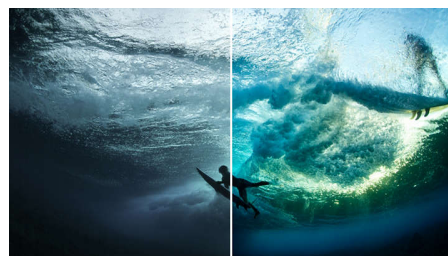
Philips MultiView feature on this expansive 4K UHD display enables you to have up to four systems each shown in Full HD on one screen. You can use the Picture-by-Picture (PbP) for monitoring four systems on one screen for control rooms or security. Or for multiple devices like two notebooks side-by-side 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.

## High Dynamic Range (HDR)



High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires emotions.

## Ultra Wide-Color Technology



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.

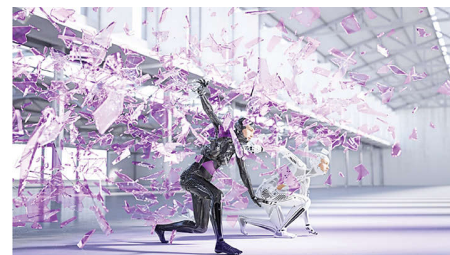
## Ambiglow Technology



Ambiglow adds a new dimension to your viewing experience. The innovative Ambiglow technology enlarges the screen by creating an

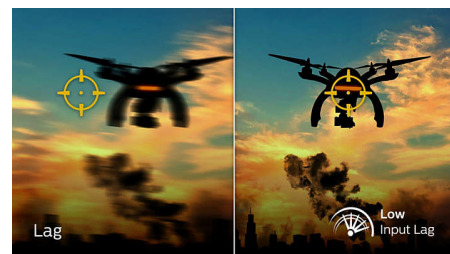
immersive halo of light. Its fast processor analyses the incoming image content and continuously adapts the color and brightness of the emitted light to match the image. User friendly options allow you to adjust the ambiance to your liking. Especially suited for watching movies, sports or playing games, Philips Ambiglow offers you a unique and immersive viewing experience.

## DTS Sound™



DTS Sound is an audio processing solution designed to optimize the playback of music, movies, streaming and games on the PC regardless of form factors. DTS Sound enables an immersive virtual surround sound experience, complete with rich bass and dialog enhancement and maximized volume levels free of any clipping or distortion.

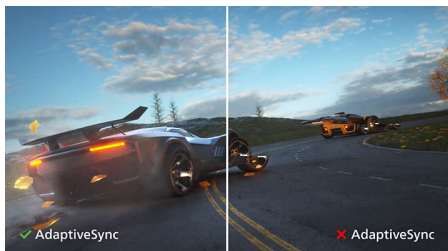
## Low Input Lag



Input lag is the amount of time that elapses between performing an action with connected devices and seeing the result on screen. Low input lag reduces the time delay between entering a command from your devices to monitor, greatly improve on playing twitch-sensitive video games, particularly important to whom plays fast-paced, competitive games.

## Highlights

### Adaptive-Sync technology



Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artifact-free performance at virtually any framerate with Adaptive-Sync technology, smooth quick refresh and ultra-fast response time.

### USB-C cable

The new USB 3.1 Type-C cable with a slim and reversible connector, offers easy one-cable-docking. Simplify by connecting all your peripherals to your monitor as a dock with one cable to the notebook, including high resolution video output from your PC to monitor. With USB 3.1 you also get fast data transfer, up-to 20-times as fast as USB 2.0, allowing you to transfer a 4K movie faster than ever. All your connections through one simple cable.

### USB 3.0 Hub with FastCharge

Super Speed USB 3.0 deploys 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer

time saving you time and money. With more bandwidth, super speed transfer rates, better power management and superior overall performance, USB 3.0 sets the latest global standard allowing you to use the large capacity storage devices. Now you don't have to wait so long for devices to charge. New FastCharge enables quick charging to charge and go. USB 3.0 is also backward compatible with USB 2.0 devices.

Specifications

Picture/Display

Panel Size: 42.51 inch / 108 cm  
Aspect ratio: 16:9  
LCD panel type: MVA  
Backlight type: W-LED system  
Pixel pitch: 0.245 x 0.245 mm  
Optimum resolution: 3840 x 2160 @ 60 Hz  
Brightness: 450 cd/m<sup>2</sup>  
Display colors: 1.07 billion colors (10 bit\*)  
Color gamut (min.): BT. 709 Coverage: 100%\*;  
DCI-P3 Coverage: 97.6%\*  
Contrast ratio (typical): 4000:1  
SmartContrast: 50,000,000:1  
Response time (typical): 4 ms (Gray to Gray)\*  
Viewing angle: 178° (H) / 178° (V), @ C/R > 10  
Picture enhancement: SmartImage  
Effective viewing area: 941.18 (H) x 529.42 (V)  
Scanning Frequency: 23 - 80 Hz (V) / 30 - 160 kHz (H)  
sRGB  
Flicker-free  
Pixel Density: 103.64 PPI  
LowBlue Mode  
Display Screen Coating: Anti-Glare, 3H, Haze 2%  
Adaptive sync  
HDR: DisplayHDR400 certified

Connectivity

Signal Input: VGA (Analog ), DisplayPort 1.4 x 1, HDMI 2.0 x 2, USB-C (DP Alt mode)  
USB: USB 3.0x3 (1 w/fast charging)\*  
Sync Input: Separate Sync, Sync on Green  
Audio (In/Out): PC audio-in, Headphone out

Convenience

Built-in Speakers: 7 W x 2 with DTS sound  
Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7  
User convenience: Menu/OK, Input/Up, SmartImage Game/Return, Volume/Down, 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: Ambiglow, Low Input Lag, Kensington lock, VESA mount (200x200mm)  
Control software: SmartControl  
Remote control type: Philips RC6 remote control  
MultiView: PIP/PBP mode, 4x devices

Stand

Tilt: -5/10 degree

Power

Power supply: Internal, 100-240VAC, 50-60Hz  
Off mode: 0.3 W (typ.)  
On mode: 120 W (typ.)  
Standby mode: 0.5 W (typ.)  
Power LED indicator: Operation - White, Standby mode- White (blinking)  
Energy Label Class: C

Dimensions

Product with stand (mm): 976 x 661 x 264 mm  
Packaging in mm (WxHxD): 1090 x 764 x 338 mm  
Product without stand (mm): 976 x 574 x 63 mm

Weight

Product with packaging (kg): 18.84 kg  
Product with stand (kg): 12.72 kg  
Product without stand (kg): 11.97 kg

Operating conditions

Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
Temperature range (operation): 0 to 40 °C  
MTBF: 50,000 hrs (excluding backlight) hour(s)  
Relative humidity: 20%-80 %  
Temperature range (storage): -20 to 60 °C

Sustainability

Environmental and energy: RoHS, Mercury Free, WEEE  
Recyclable packaging material: 100 %

Compliance and standards

Regulatory Approvals: CCC, CECP, KC, KCC, PSE, VCCI, J-MOSS, BSMI, SEMKO, RCM, CE Mark, FCC Class B, EAC, cETLus, TUV/ISO9241-307, PSB, E-standby, SASO, CB, China RoHS, UKRAINIAN, Kuwait, KUCAS, ICES-003

Cabinet

Color: Black  
Finish: Glossy / Textured



\* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode  
\* Fast charging complies with USB BC 1.2 standard  
\* The monitor may look different from feature images.  
\* Response time value equal to SmartResponse  
\* BT. 709 / DCI-P3 Coverage based on CIE1976  
\* 10 bit is dithered by 8 bit with FRC