



Philips Momentum  
4K HDR display with  
Ambiglow

### Momentum

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



436M6VBAB

## 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.

#### Expand your viewing experience

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

#### Superb Picture Quality

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

#### Brilliant performance

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

#### Designed for the way you work

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

# PHILIPS

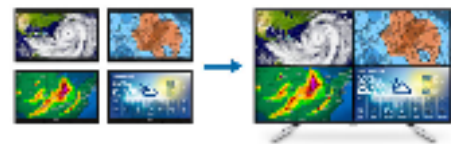
# Highlights

## UltraClear 4K UHD Resolution



These latest 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

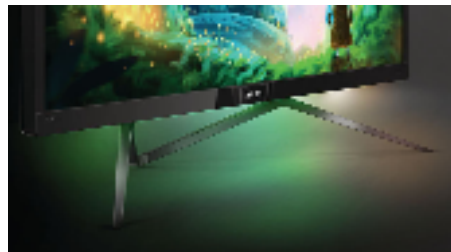
brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires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

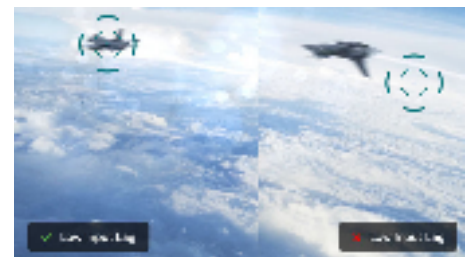


Ambiglow adds a new dimension to your viewing experience. The innovative Ambiglow technology enlarges the screen by creating an immersive halo of light. Its fast processor analyses the incoming image content and continuously adapts the color and brightness of the emitted light to match the image. User 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.

## 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.

# Specifications

## Picture/Display

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

## 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

- Remote control type: Philips RC6 remote control
- Built-in Speakers: 7 W x 2 with DTS sound
- MultiView: PIP/PBP mode, 4x devices
- User convenience: Menu/OK, Input/Up, SmartImage Game/Return, Volume/Down, 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, Ukrainian
- Other convenience: Ambiglow, Low Input Lag,

- Kensington lock, VESA mount (200x200mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

- Tilt: -5/10 degree

## Power

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

## Dimensions

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

## Weight

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

## Operating conditions

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

## Sustainability

- Environmental and energy: RoHS, Lead-free, 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



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Version: 1.0.1

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EAN: 87 12581 75710 6

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