Philips Momentum
4K HDR display with
Ambiglow

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

436M6VBPAB

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 enables active dual connect and view at same time

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 gameplay 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

With the ultra high resolution Philips MultiView display you can now experience a world of connectivity in a comfortable way whether at office or at home. MultiView enables active dual connect and view so that you can work with multiple devices like PC and Notebook side-by-side simultaneously, making complex multi-tasking work a breeze. Watching live football feed from your set-top box on right side, while browsing the Internet from your notebook on the left is now easy. You may want to keep an eye on the live news feed with audio in the small window, while working on your latest blog.

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 palet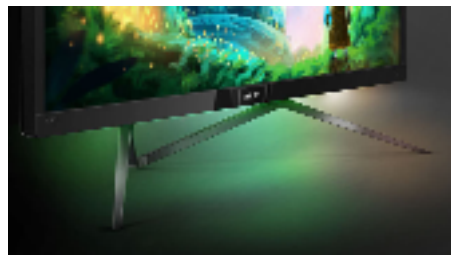te of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires emotions.

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

Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid, artifact-free performance at virtually any framerate with Philips 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.

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: DisplayHDR1000 and UHDA 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: 720 cd/m² (typical), 1,000 cd/m² (peak)
- 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: 1.07G (8bits + FRC)
- Scanning Frequency: VGA: 47 - 63 Hz ; HDMI/ DisplayPort: 23 - 80 Hz / VGA/HDMI: 30 - 99 kHz ; DisplayPort: 30 - 160 kHz
- sRGB
- Adaptive sync
- LowBlue Mode

Connectivity
- Signal Input: HDMI 2.0 x 1, DisplayPort 1.2, mini DisplayPort 1.2 x 1, USB-C (DP Alt mode)
- USB: USB 3.0x2 (2 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, 2x 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, Ukranian
- 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: 162 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.5 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): 14.71 kg
- Product without stand (kg): 13.96 kg
- Product with packaging (kg): 20.72 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: EnergyStar 7.0, RoHS, Lead-free, Mercury Free, WEEE
- Recyclable packaging material: 100 %

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

Cabinet
- Color: Black
- Finish: Glossy / Textured

* Response time value equal to SmartResponse
* 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
* Notebook charging depends on notebook manufacturer
* BT. 709 / DCI-P3 Coverage based on CIE1976
* The monitor may look different from feature images.