Philips Professional
Monitor
4K UHD Mini-LED
Thunderbolt™ 4 monitor

Brilliance 7000
27" (68.6 cm)
3840 x 2160 (4K UHD)

27B1U7903

Simply brilliant

Mini LED with Thunderbolt docking

Philips Thunderbolt™ 4 monitor delivers a secure, reliable one-cable docking solution. Mini LED backlit and DisplayHDR™ 1400 certified display generates outstanding picture performance and color accuracy for color-critical users.

Thunderbolt™ 4 port for flexibility & performance
- Simple and powerful daisy chaining for multi-monitor setups
- Lightning-fast connectivity for data, video, and Ethernet
- Delivers up to 90W of power for devices on a single port

Vibrant colors, incredible depth, finest details
- DisplayHDR™ 1400 delivers impressive color, and contrast
- IPS technology for full colors and wide viewing angles
- Mini LED backlight with 2304 local dimming zones
- UltraClear 4K UHD (3840x2160) resolution for precision
- Quantum Dot Tech for see-it-to-believe-it color

Designed for the way you work
- MultiView enables simultaneous dual connection and view
- Hideaway PowerSensor saves up to 80% energy costs
- Color space mode options to fit your needs and work

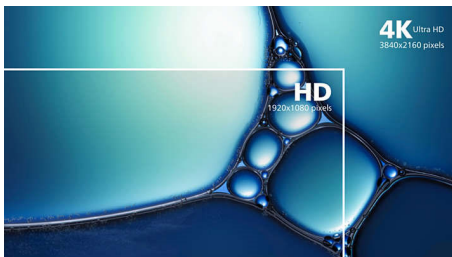**PHILIPS**

Highlights

Thunderbolt™ 4 monitor

This Philips docking monitor is equipped with Thunderbolt™ 4 connection. Compared with conventional USB-C monitors, Thunderbolt™ 4 technology provides lightning-fast 40Gbps data transfer speeds, supports high resolution video, offers multi-stream transport for daisy chaining, has up to 90W of power delivery to external devices, and can provide a stable 1Gbit/s Ethernet connection.

Thunderbolt daisy chain setup

Daisy chaining allows you to drive multiple monitors and devices from a single Thunderbolt port on your laptop. From the Thunderbolt port of your laptop connect to this monitor, then from the second Thunderbolt port on this monitor you can connect to a second 4K monitor.

UltraClear 4K UHD Resolution

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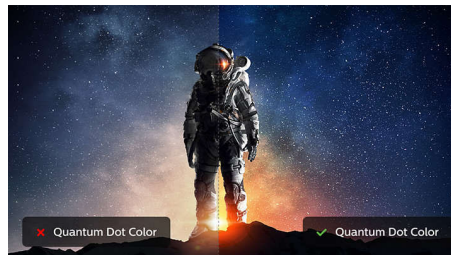
demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

Mini LED backlight

Mini LED backlighting improves control of lighting and contrast ratio. The small size of the mini LEDs forming the backlight allows for the creation of 2304 individually controlled zones delivering deeper blacks and brighter whites. Rich HDR content can now be viewed as it was intended with unmatched contrast and precise reproduction.

Quantum Dot Technology

Quantum Dot Technology is an innovative semiconductor nanocrystal technology that precisely emits light to produce bluer blues, greener greens and redder reds. LCD monitors with Quantum Dot color produce a more dynamic range of colors and show the true natural palette of colors in the picture. The result - vibrant, dynamic, you-gotta-see-it-to-believe-it color.
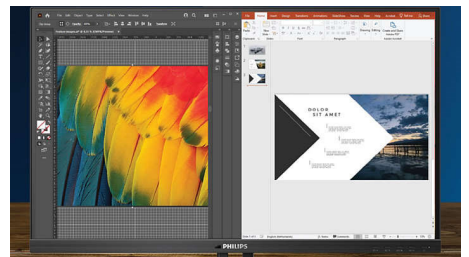
DisplayHDR™ 1400 certified

This Philips monitor is certified with the newly announced VESA DisplayHDR™ 1400 certification level. With a peak brightness up to 1400 nits, increasing in contrast range, and a wider color gamut, this screen brings out details that you've never experienced before with brilliant colors, deeper blacks and brighter whites with ultra-realistic effects. This Philips monitor comes with several HDR modes, each optimized for your viewing preference: HDR Premium, HDR Effect, HDR Warm, HDR Basic, and VESA DisplayHDR certified level.

MultiView technology

With the ultra-high resolution Philips MultiView display you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multi-tasking.

Multiple color space modes

This Phillips monitor provides color in the RGB color model with the following color space modes. Choose the appropriate color space mode to properly display the content you are viewing: sRGB: Most personal computer applications and games, internet, and web design. Adobe RGB: Graphics applications. NTSC: Analog video. Rec. 709: HD videos. Rec. 2020: UHD videos. DCI-P3: Digital cinema projectors, some movies and games, and Apple products. Photography. D-mode: DICOM mode, enhance greyscale level performance.

Specifications

Connectivity

- Signal Input: 1 x DisplayPort 1.4, 2 x HDMI 2.0, 1 x Thunderbolt 4 (upstream, data, video, PD 90W)
- Sync Input: Separate Sync
- Audio (In/Out): Audio out
- RJ45: Ethernet LAN up to 1G*, Wake on LAN
- Signal Output: Thunderbolt out: 1 x Thunderbolt 4 (downstream, data, PD 15W)
- HDCP: HDMI (HDCP 2.2 / HDCP 1.4), DisplayPort (HDCP 2.2 / HDCP 1.4)
- HBR3: Thunderbolt 4
- USB downstream: 1 x Thunderbolt 4, 4 x USB 3.2 (downstream with 1 fast charge B.C 1.2)*
- USB upstream: 1 x Thunderbolt 4

Picture/Display

- Panel Size: 27 inch / 68.6 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: Mini LED backlight
- Pixel pitch: 0.1554 x 0.1554 mm
- Brightness: 1000 (SDR), 1400 (HDR) cd/m²
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 121%*, sRGB 154*, Adobe RGB 99.2%*, REC 709 99.1%*, REC 2020 80.4%*
- Color gamut (min.): DCI-P3: 97.2%*
- Contrast ratio (typical): 1300:1
- SmartContrast: Mega Infinity DCR
- Response time (typical): 4 ms (Gray to Gray)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Maximum resolution: 3840 x 2160 @ 60 Hz
- Effective viewing area: 596.736 (H) x 335.664 (V)
- Scanning Frequency: HDMI/DP: 30 - 140 kHz (H) / 40 - 60 Hz (V); Thunderbolt 4: 30 - 140 kHz (H) / 23 - 75 Hz (V)
- sRGB
- Delta E: < 1
- Pixel Density: 163 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- SmartUniformity: 93 ~ 105%
- EasyRead
- Adaptive sync
- HDR: DisplayHDR 1400 certified

Power Delivery

- Thunderbolt Power Delivery: USB PD version 3.0, 90W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A) + 15W (5V/3A)

Convenience

- Built-in Speakers: 3 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, French, Finnish, German, Greek, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Control software: SmartControl
- MultiView: PBP (2x devices)

Stand

- Height adjustment: 130 mm
- Pivot: -/+90 degree
- Swivel: -/+45 degree
- Tilt: -5/15 degree

Power

- ECO mode: 45.1 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 74.5 W (typ.)
- Standby mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

- Packaging in mm (WxHxD): 735 x 423 x 285 mm
- Product without stand (mm): 613 x 369 x 68 mm
- Product with stand(max height): 613 x 515 x 204 mm

Weight

- Product with packaging (kg): 14.46 kg
- Product with stand (kg): 9.43 kg
- Product without stand (kg): 7.02 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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: PowerSensor, LightSensor, RoHS
- Post consumer recycled plastic: 35%
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC / BFR free housing

Compliance and standards

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

Cabinet

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

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse
* DCI-P3 Coverage based on CIE1976
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* Adobe RGB Coverage based on CIE1976
* Rec 709 Coverage based on CIE1976
* Rec 2020 Coverage based on CIE1976
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* Activities such as screen sharing, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine overall audio and video quality.
* 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.
* If your Ethernet connection seems slow, please enter OSD menu and select USB 3.0 or higher version which can support the LAN speed to 1G.
* Under SDR (Standard Dynamic Range), the temperature range in operation can be reached to 40°C.
* The monitor may look different from feature images.