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

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

Vibrant colors, incredible depth, finest details

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

Designed for the way you work

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

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PHILIPS

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Highlights

Thunderbolt™ 4 monitor



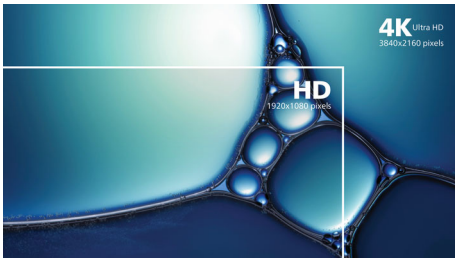
This Philips docking monitor is equipped with Thunderbolt™ 4 connection. Compared with conventional USB-C monitors, Thunderbolt™ 4 technology provides lightning-fast 40Gbps data transfer speeds, supports high resolution video, offers multi-stream transport for daisy chaining, has up to 90W of power delivery 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



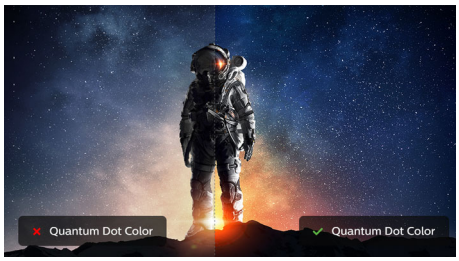
These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips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



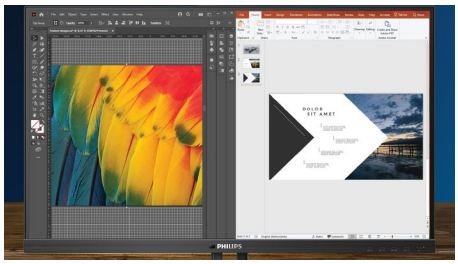
Quantum Dot Technology is an innovative semiconductor nanocrystal technology that precisely emits light to produce bluer blues, greener greens and redder reds. LCD monitors with Quantum Dot color produce a more dynamic range of colors and show the true natural palette of colors in the picture. The result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

THUNDERBOLT
4K Ultra HD
IPS Wide Viewing Angle
Mini LED 2304 Local dimming zones
Quantum Dot Color
DisplayHDR 1400
Multiview
SmartErgo Base
HDMI

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Specifications

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

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

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
- MultiView: PBP (2x devices)
- User convenience: SmartImage, Input, User, Menu, Power On/Off
- Control software: SmartControl
- 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)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

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

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

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

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

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

Sustainability
- Environmental and energy: PowerSensor, LightSensor, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 35%
- 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, SEMKO, TUV Ergo, TUV/GS

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

What's in the box?
- Monitor with stand
- Cables: HDMI cable, DisplayPort cable, TBT4 cable, Power cable
- User Documentation

* "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.

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