

PHILIPS

4K UHD monitor

Monitor

7000 series

27" (68.5 cm)

3840 x 2160 (4K UHD)

27E2F7901



Color in its Finest Form

Offered in several hues, this 27-inch monitor is not only meant to shine as a centerpiece for your home, but also has USB-C connectivity, and HDR 400 certification.

Vibrant colors, incredible depth, finest details

- UltraClear 4K UHD (3840x2160) resolution for precision
- IPS Black: For detailed color expression with 4K clarity
- DisplayHDR 400 for more lifelike and outstanding visuals
- Pro color standards 100% sRGB, 100% REC 709, 98% DCI-P3
- 1.07 billion colors for stunning color and finest gradations

Single cable USB-C connection

- USB 3.2 high speed data transfer
- Connect your notebook with one USB-C cable

Features designed for you

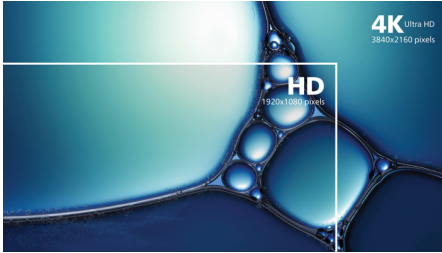
- Built-in KVM switch to easily switch between sources
- MultiView enables simultaneous dual connection and view
- DisplayPort-out for connecting additional displays
- Low Blue Light: for a comfortable viewing experience
- SmartErgoBase enables people-friendly ergonomic adjustments



reddot winner 2021

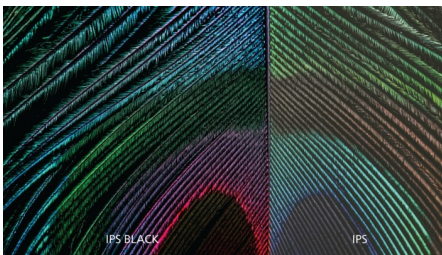
Highlights

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.

IPS Black: For detailed color



A newly developed technology, IPS Black offers the same 178/178-degree viewing angles but with an improved color contrast ratio that is essential for a multi-monitor setup. In addition, it is well suited for professions that demand color accuracy by expressing deeper blacks and better color in 4K clarity; thereby making colors more vivid.

DisplayHDR 400



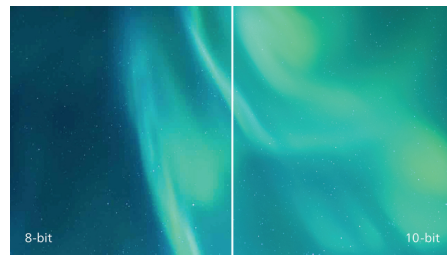
VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike, other 'HDR compatible' screens, true

DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and peak brightness up-to 400 nits, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.

Pro color spaces

This monitor is equipped to make the colors on your screen accurately represented. With new spaces especially suited for Apple products like Display P-3 and others that provide a D50 white point like DCI-P3(D50) and Adobe RGB (D50), this product is designed to make colors come to life on screen in the exact way that you want them. Other color spaces to explore include DCI-P3, sRGB, AdobeRGB, Rec.2020, and Rec.709.

1.07 billion colors



This display delivers outstanding color depth with 1.07 billion colors, and the finest gradation, for re-creating smooth, precise, and vivid image. Enjoy accurate and true-to-life visuals whether gaming, watching videos, or working on color critical work with graphics applications.

MultiClient Integrated KVM



With MultiClient Integrated KVM switch, you can control two separate PCs with one monitor-keyboard-mouse set up. A

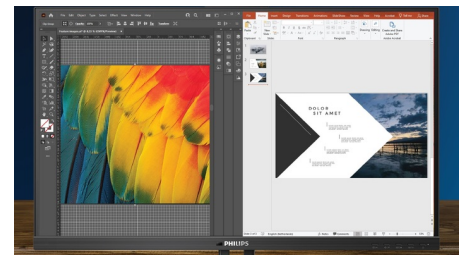
convenient button allows you to quickly switch between sources. Handy with set-ups that require dual PC computing power or sharing one large monitor to show two different PCs.

DisplayPort-out



With DisplayPort-out you can connect multiple high resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to create a clean desktop without the hassle of too many wires all over.

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.

Low Blue Light

This feature helps reduce eye strain and adverse symptoms that are often caused by long exposure to blue light. In this monitor's panel, the ratio of light emitted is reduced by nearly 50 percent: from 400-500nm to 415-455nm.



Specifications

Picture/Display

LCD panel type: IPS technology
Panel Size: 27 inch / 68.5 cm
Display Screen Coating: Anti-glare, 3H, Haze 25%
Effective viewing area: 608.8 (H) x 349.4 (V)
Aspect ratio: 16:9
Maximum resolution: 3840 x 2160 @ 60 Hz
Pixel Density: 163.18 PPI
Response time (typical): 4 ms (Gray to Gray)*
Low Input Lag
Brightness: 400 cd/m²
Contrast ratio (typical): 2000:1
SmartContrast: 80,000,000:1
Pixel pitch: 0.1554 x 0.1554 mm
Viewing angle: 178° (H) / 178° (V), @ C/R > 10
Picture enhancement: SmartImage
Display colors: 1.07B (8 bit + A-FRC)
Color gamut (typical): sRGB 100%, REC 709: 100%, DCI-P3: 98%, NTSC 110.5%, Adobe RGB 108.6%
HDR: DisplayHDR 400 certified
Scanning Frequency: 30 - 140 kHz (H) / 23 - 75 Hz (V)
Flicker-free
SmartUniformity: 97 - 102%
Delta E: < 2
LowBlue Mode
EasyRead
sRGB
Adaptive sync

Connectivity

Signal Input: HDMI 2.0 x 1, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, Power Delivery up to 96W)
Signal Output: DisplayPort out x 1
HDCP: HDCP 1.4 (HDMI / DisplayPort / USB-C), HDCP 2.2 (HDMI / DisplayPort / USB-C)
USB Hub: USB 3.2, Gen 2 / 10 Gbps, USB-C upstream x 1 (Data), USB-A downstream x 4 (with 1 for fast charge B.C 1.2), USB-C downstream x 1 (Data, PD 15W)
Sync Input: Separate Sync
Audio (In/Out): Audio out

Power Delivery

Version: USB PD version 3.0
Max power delivery: USB-C up to 96W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.8A)

Convenience

KVM: Yes, USB-C (Upstream, Data)
MultiView: PIP/PBP mode, 2x devices
User convenience: Power On/Off, Menu, Input, Color Space, SmartImage
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: Kensington lock, VESA mount (100x100mm)
Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8

Stand

Height adjustment: 130 mm
Pivot: + 90 degree
Swivel: -/+ 45 degree
Tilt: -5/20 degree

Power

On mode: 26.6 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: External, 100-240VAC, 50-60Hz

Dimensions

Product with stand(max height): 614 x 568 x 200 mm
Product without stand (mm): 614 x 355 x 38 mm
Packaging in mm (WxHxD): 780 x 420 x 161 mm

Weight

Product with stand (kg): 5.38 kg
Product without stand (kg): 4.05 kg
Product with packaging (kg): 8.73 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 (Excluding backlight) hour(s)

Sustainability

Environmental and energy: RoHS
Recyclable packaging material: 100 %
Specific Substances: Mercury free, PVC / BFR free housing

Compliance and standards

Regulatory Approvals: CCC, CB, CE Mark, FCC Class B, ICES-003, cETLus, CECP, CEL

Cabinet

Color: Silver
Finish: Fine Textured

Design

Designed in Amsterdam, NL

What's in the box?

Accessory: VESA bracket



* 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.

* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode

* The monitor may look different from feature images.

* DCI-P3, sRGB and REC 709 Coverage based on CIE 1976

* NTSC and Adobe RGB Area based on CIE 1976