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.

Features designed for you

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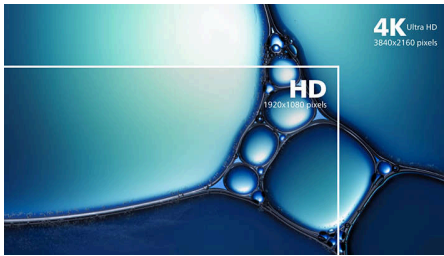
Single cable USB-C connection

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

Vibrant colors, incredible depth, finest details

- Calman Ready: for automatic and luminous color calibration
- UltraClear 4K UHD (3840x2160) resolution for precision
- 1.07 billion colors for stunning color and finest gradations
- DisplayHDR 400 for more lifelike and outstanding visuals
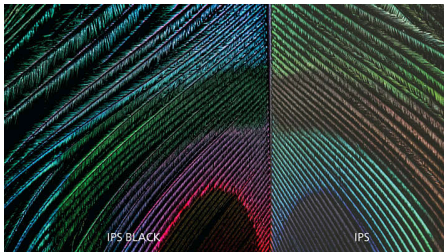- IPS Black: For detailed color expression with 4K clarity

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.
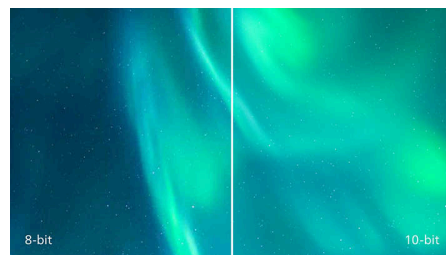
DisplayHDR 400

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 minimum 400 nits brightness, 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.
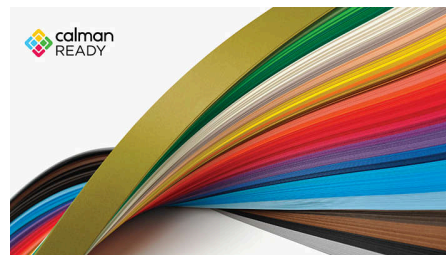
Pro color spaces

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.
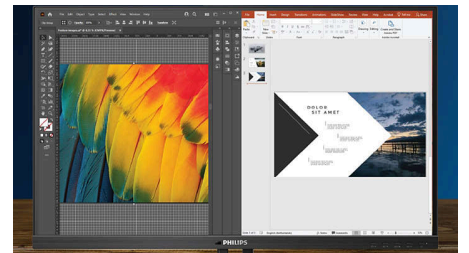
Calman Ready || Vibrant colors, incredible depth

This new technology allows for screen calibration to be done at a fraction of the traditional time it takes without skimping on a beautiful and
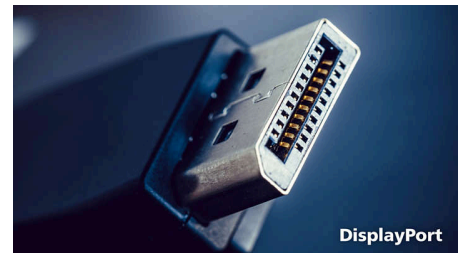
aesthetically pleasing color gamut. In contrast to manual calibration, monitors equipped with the Calman Ready feature will calibrate automatically. In turn, this automation produces vibrant colors that produce so-called "Hollywood-grade color" and is most suited for professions that demand accurate coloring.

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.

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.
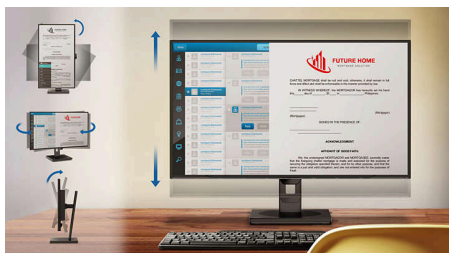
Highlights

Low Blue Light

This feature helps reduce eye strain and adverse symptoms that are often cause 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.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

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.

4K Ultra HD **IPS** BLACK **VESA** CERTIFIED **DisplayHDR** 400 DCI-P3 98% **calman** READY Multiview

Monitor

4K UHD monitor

27E2F7901/89

Specifications

Picture/Display

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

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)
Sync Input: Separate Sync
Audio (In/Out): Audio out
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)

Power Delivery

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

Convenience

Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8
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)
MultiView: PIP/PBP mode, 2x devices
KVM: Yes, USB-C (Upstream, Data)

Stand

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

Power

Power supply: External, 100-240VAC, 50-60Hz
Off mode: 0.3 W (typ.)
On mode: 26.6 W (typ.)
Standby mode: 0.5 W (typ.)
Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

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

Weight

Product with packaging (kg): 8.73 kg
Product with stand (kg): 5.38 kg
Product without stand (kg): 4.05 kg

Operating conditions

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

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