



5K LCD monitor with PerfectKolor

- P Line
- 27" (68.6 cm)
- 5K UHD (5120 x 2880)

275P4VYKEB/00

Precise detail and clarity

with UltraClear 5K UHD resolution

See detail like never before with the new Philips 5K UHD monitor. 14.7 million pixels provide razor sharp visuals for your most detailed work. PerfectKolor technology ensures accurate and consistent colour every time.

Benefits

Razor-sharp visuals

- 5K Ultra HD (5120 x 2880) resolution for ultraclear visuals
- PLS LED wide-view technology for image and colour accuracy
- Less eye fatigue with Flicker-Free technology

Perfect colour every time

- Pro colour standards 99% Adobe RGB, 100% sRGB
- 1.074 billion colours for smooth colour gradations and detail
- SmartUniformity for consistent images

Designed for the way you work

- SmartErgoBase enables user-friendly ergonomic adjustments
- Webcam with mic to connect and collaborate
- Built-in stereo speakers for multimedia
- USB 3.0 enables fast data transfers and smart phone charging

PHILIPS

Features

UltraClear 5K UHD Resolution



14.7 million pixels for precise detail and clarity. With 5K Ultra HD resolution, four times Quad HD, you see detail like you've never seen before for perfect results.

PLS technology



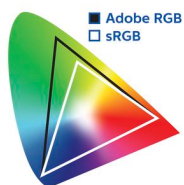
PLS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle - even in 90-degree Pivot mode! Unlike standard TN panels, PLS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

Flicker-Free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

PerfectKolor for exact results



The perfect colour, you know it when you see it. These new monitors feature high quality brilliant panels for rich accurate colour from every angle. Know that your colour is consistent with professional industry-standard colour, 99%

Adobe RGB and 100% sRGB. Out of the box colour precision with factory colour calibration gives you confidence right from the start. Adjust the colour to your exact standards with six axis custom colour adjustment. Save time and money with Philips monitors with PerfectKolor Technology.

10-bit colours



8-bit

10-bit

The 10-bit display delivers rich colour depth with 1.074 billion colours and 12-bit internal processing for recreating smooth, natural colours without gradations and colour banding.

SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

Webcam

Embedded webcam and microphone enables you to view and communicate with your colleagues and clients. This simple solution allows you to collaborate and share, saving precious time and travel-related costs.

Built-in stereo speakers

A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

USB 3.0 super speed

Super-Speed USB 3.0 deploys a 5.0 gbit/s transfer rate, which is about 10 times faster than the USB 2.0 standard, significantly reducing data transfer time and saving you time and money. With more bandwidth, super-speed transfer rates, better power management and superior overall performance, USB 3.0 sets the latest global standard allowing you to use large-capacity storage devices. Sync-N-Go technology ensures you don't have to wait for bandwidth to be freed up any more. Your investment in USB 2.0 devices is protected as it is backwards-compatible.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

LCD panel type	PLS LCD (Glare)
Backlight type	W-LED system
Panel Size	27 inch/68.6 cm
Effective viewing area	596.74 (H) x 335.66 (V)
Aspect ratio	16:9
Optimum resolution	5120 x 2880 @ 60Hz (Dual DP cable required), 3840 x 2160 @ 60 Hz (Single DP cable required)*

Response time (typical)	8 (Grey to Grey) ms
Brightness	300 cd/m ²
Contrast ratio (typical)	1000:1
SmartContrast	50,000,000:1
Pixel pitch	0.117 x 0.117 mm
Viewing angle	178° (H)/178° (V) @ C/R > 10

Picture enhancement	SmartImage
Display colours	1.07G (True 10 bit)
Colour gamut (typical)	99% Adobe RGB
Scanning Frequency sRGB	174 kHz (H) / 60 Hz (V) Yes

Connectivity

Signal Input	DisplayPort x 2
USB	USB 3.0 x 3 (1 w/fast charging)*
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	Headphone out

Convenience

Built-in Speakers	2 W x 2
Built-in webcam	2.0 megapixel camera with microphone and LED indicator

User convenience	SmartImage Volume Brightness Menu
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OSD Languages	Power On/Off Brazil Portuguese Czech Dutch English Finnish French German Greek Hungarian Italian Japanese Korean Polish Portuguese Russian Simplified Chinese Spanish Swedish Traditional Chinese Turkish Ukrainian
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Other convenience	Kensington lock VESA mount (100 x 100 mm)
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Plug and Play Compatibility	DDC/CI Mac OS X sRGB
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Stand

Height adjustment	150 mm
Pivot	90 degree
Swivel	-65/+65 degree
Tilt	-5/20 degree

Power

ECO mode	45.1 W (typ.)
On mode	85.4 W (typ.)
Standby mode	< 0.5 W
Off mode	< 0.5 W
Power LED indicator	Operation - White Standby mode - White (flashing)
Power supply	External 100-240 VAC, 50-60 Hz

Dimensions

Product with stand (mm)	639 x 580 x 273 mm
Product without stand (mm)	639 x 405 x 64 mm
Packaging in mm (W x H x D)	750 x 234 x 490 mm

Weight

Product with stand (kg)	8.11 kg
Product without stand (kg)	5.32 kg
Product with packaging (kg)	11.99 kg

Operating conditions

Temperature range (operation)	0°C to 40°C °C
Temperature range (storage)	-20°C to 60°C °C
Relative humidity	20%–80% %
Altitude	Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m) 70,000 hrs (excluded backlight)
MTBF (demonstrated)	70,000 hrs (excluded backlight)

Sustainability

Environmental and energy	TCO edge RoHS
Recyclable packaging material	100 %
Post-consumer recycled plastic	65%
Specific Substances	PVC/BFR free housing Mercury free Lead free

Compliance and standards

Regulatory Approvals	BSMI CE Mark FCC Class B CU-EAC SEMKO TCO certified cETLus TUV Ergo TUV/GS WEEE
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Cabinet

Front bezel	Black/Silver
Rear cover	Black
Foot	Black
Finish	Texture

What's in the box?

Monitor with stand	yes
Cables	DP, Audio, USB, Power
User Documentation	yes

- * Smart response time is the optimum value from either GtG or GtG (BW) tests.
- * Fast charging complies with USB BC 1.2 standard
- * Two DisplayPort cables from the supported graphics card to the monitor are required to support 5120 x 2880 resolution.
- * Only the following NVIDIA Graphics cards support this monitor at 5120 x 2880 resolution: GeForce: GTX980, Quadro: K2200, K4200, K5200.



data subject to change
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