Philips Brilliance
5K LCD monitor with
PerfectKolor

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

Brilliance

275P4VYKEB

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 color every time.

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

Perfect color every time
- Pro color standards 99% AdobeRGB, 100% sRGB
- 1.074 billion colors for smooth color gradations and detail
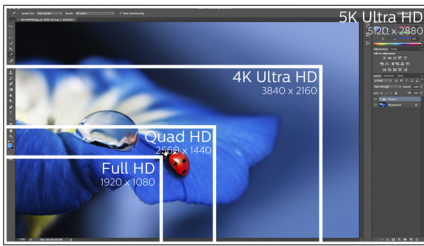- SmartUniformity for consistent images

Designed for the way you work
- SmartErgoBase enables people-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
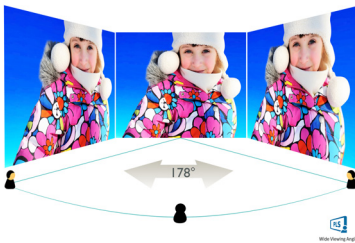
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Highlights

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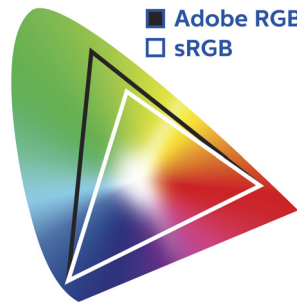
Flicker-free technology

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 color, you know it when you see it. These new monitors feature high quality brilliant panels for rich accurate color from every angle. Know that your color is consistent with professional industry-standard color, 99% Adobe RGB and 100% sRGB. Out of the box color precision with factory color calibration gives you confidence right from the start. Adjust the color to your exact standards with six axis custom color adjustment. Save time and money with Philips monitors with PerfectKolor Technology.

10-bit colors

The 10-bit display delivers rich color depth with 1.074 billion colors and 12-bit internal processing for re-creating smooth, natural colors without gradations and color banding.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; 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. It can 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 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer time 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 the large capacity storage devices. Sync-N-Go technology ensures you don't have to wait anymore for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backward compatible.

5K Ultra HD | Wide Viewing Angle | Flicker-free | PerfectKolor Technology | SmartErgoBase | USB 3.0 | Webcam | Built-in speakers | TCO Certified edge | Smart Uniformity

Specifications

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 requried), 3840 x 2160 @ 60 Hz (Single DP cable requried)*
- Response time (typical): 8 (Gray to Gray) ms
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1,000:1
- 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 colors: 1.07G (True 10 bit)
- Color gamut: 99% Adobe RGB
- Scanning Frequency: 174 kHz (H) / 60 Hz (V)
- sRGB

Connectivity
- Signal Input: DisplayPort x 2
- USB: USB 3.0x3 (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, Power On/Off
- 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, Ukranian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB

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 (blinking)
- Power supply: External, 100-240VAC, 50-60Hz

Dimensions
- Product with stand (mm): 639 x 580 x 273 mm
- Product without stand (mm): 639 x 405 x 64 mm
- Packaging in mm (WxHxD): 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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, CCC

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

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* Smart response time is the optimum value from either GtG or GtG (BW) tests.
* Fast charging through 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.