



Philips

LCD monitor with PerfectKolor Technology

- P Line
- 27" (68.6 cm)
- Adobe RGB

272P4APJKHB/00

Perfect Color

you know it when you see it

Get the perfect results you're looking for. This professional IPS-AHVA display delivers CrystalClear Quad HD images. PerfectKolor Technology ensures factory-calibrated 99% AdobeRGB color space and a billion colors for perfect results.

Benefits

Brilliant performance with PerfectKolor

- Pro color standards 99% AdobeRGB, 100% sRGB
- Six axis custom color adjustment
- 1.074 billion colors for smooth color gradations and detail
- SmartUniformity for consistent images
- IPS-AHVA wide-view technology for image and color accuracy
- Crystalclear images with Quad HD 2560x1440 pixels
- Less eye fatigue with Flicker-free technology
- Precision-ready - Factory-color calibration with report

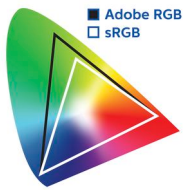
Designed for the way you work

- SmartErgoBase enables people-friendly ergonomic adjustments
- MultiView enables active dual connect and view at same time
- Webcam with mic to connect and collaborate
- Built-in stereo speakers for multimedia
- USB 3.0 enables fast data transfers and smart phone charging
- SmartConnect with HDMI, Display port and Dual link DVI
- Shading hood to control light for color-critical work

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Features

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 and a factory calibration report give 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



8-bit



10-bit

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.

SmartUniformity



Fluctuations in brightness and color on LCD screens are a common phenomenon. Philips SmartUniformity mode delivers accurate images in terms of brightness; which is crucial for photography, design, and printing. With a color metric to assess color accuracy, this mode is calibrated to meet average luminance uniformity is greater than 95%. Selecting this mode will produce uniform and accurate images.

IPS-AHVA display



IPS-AHVA displays use 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. Unlike standard TN panels, IPS-AHVA displays give 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.

Crystalclear images

These latest Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density

pixel count, enabled by high bandwidth sources like Displayport, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

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.

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.

MultiView technology

With the ultra high resolution Philips MultiView display you can now experience a world of connectivity in a comfortable way whether at office or at home. MultiView enables active dual connect and view so that you can work with multiple devices like PC and Notebook side-by-side simultaneously, making complex multi-tasking work a breeze. Watching live football feed from your set-top box on right side, while browsing the Internet from your notebook on the left is now easy. You may want to keep an eye on the live news feed with audio in the small window, while working on your latest blog.

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.

SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like Dual link DVI, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB 3.0 option ensures that you can have super speed data transfers while having global connectivity. Regardless of what source you use, you can rest

assured that this Philips display will ensure your investment is not made obsolete any time soon!

Specifications

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Picture/Display

LCD panel type	IPS-AHVA LCD
Backlight type	W-LED system
Panel Size	27 inch / 68.6 cm
Effective viewing area	596.7 (H) x 335.6 (V)
Aspect ratio	16:9
Optimum resolution	2560 x 1440 @ 60Hz
Response time (typical)	12 ms
SmartResponse (typical)	5 ms (Gray to Gray)
Brightness	350 cd/m ²
Contrast ratio (typical)	1000:1
SmartContrast	50,000,000 :1
Pixel pitch	0.233 x 0.233 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Picture enhancement	SmartImage
Display colors	Color support 1.07 billion colors
Color gamut	Adobe RGB 99%
Scanning Frequency sRGB	30 - 83 kHz (H) / 56 - 76 Hz (V) Yes

Connectivity

USB	USB 3.0 x 3
Signal Input	DVI-Dual Link (digital, HDCP) DisplayPort HDMIx2
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	PC audio-in Headphone out

Convenience

Built-in Speakers	2 W x 2
Built-in webcam	2.0 megapixel camera with microphone and LED indicator
MultiView	PIP/PBP mode 2x devices
User convenience	SmartImage Menu Multiview Power On/Off User
Control software OSD Languages	SmartControl Premium English French German 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 8.1 / 8 / 7

Stand

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

Power

ECO mode	25 W (typ.)
On mode	36.95 W (typ.) (EnergyStar 6.0 test method)
Standby mode	<0.5 W (typ.)
Off mode	<0.3 W (typ.)
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	100-240VAC, 50-60Hz External

Dimensions

Product with stand(max height)	639 x 580 x 273 mm
Product without stand (mm)	639 x 405 x 64 mm
Packaging in mm (WxHxD)	750 x 490 x 295 mm

Weight

Product with stand (kg)	7.5 kg
Product without stand (kg)	5.1 kg
Product with pack- aging (kg)	13.8 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	30,000 hour(s)

Sustainability

Environmental and energy	EPEAT Gold* PowerSensor EnergyStar 6.0 RoHS TCO edge
Recyclable packaging material	100 %
Post consumer recy- cled plastic	65%
Specific Substances	PVC / BFR free housing Mercury free Lead free

Compliance and standards

Regulatory Approvals	BSMI CE Mark cETLus FCC Class B GOST SASO SEMKO TCO 6.0 TUV Ergo TUV/GS WEEE
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	CU-EAC	Finish	Texture
Cabinet		Accessories	
Front bezel	Black	Shading hood	Yes
Rear cover	Black		
Foot	Black		

- * "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
- * EPEAT Gold is valid only where Philips registers the product. Please visit www.epeat.net for registration status in your country.
- * Smart response time is the optimum value from either GtG or GtG (BW) tests.



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