Philips Brilliance
4K Ultra HD LCD monitor

P Line
28" / 71.1 cm
4K UHD (3840 x 2160)

Brilliance

288P6LJEB

Precise detail and clarity

with UltraClear 4K UHD Resolution

See a new level of detail and clarity with the new Philips 28" UltraClear 4K display! Ultra HD. Four times clearer than Full HD, colors become richer, details become clearer. Experience Ultra High Definition at an ultra-mainstream price.

Sharpest most brilliant picture yet

- UltraClear 4K UHD (3840x2160) resolution for precision
- Calibrated for vivid and true colors
- SmartResponse 1ms refresh for fast gaming

Features that matter to you

- MultiView enables simultaneous dual connect and view
- SmartErgoBase for better ergonomics
- Low bezel-to-table height for maximum reading comfort
- Built-in stereo speakers for multimedia
- MHL technology for enjoying mobile content on big screen
- HDMI for quick digital connection
- USB 3.0 enables fast data transfers and smart phone charging

Sustainable Eco-design

- 65% post consumer recycled plastics with TCO Edge
- EPEAT Gold ensures lowest impact on environment

PHILIPS

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Highlights

UltraClear 4K UHD Resolution

These latest 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.

Vivid and true colors

Experience vivid and true color images. With over one billion colors, your images look exactly as you saw them without visual abnormalities and gradations.

SmartResponse

SmartResponse is a exclusive Philips overdrive technology that when turned on, automatically adjusts response times to specific application requirements like gaming and movies which require faster response times in order to produce judder, time-lag and ghost image free images

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.

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.

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.

MHL technology

Mobile High Definition Link (MHL) is a mobile audio/video interface for directly connecting mobile phones and other portable devices to high-definition displays. An optional MHL cable allows you to simply connect your MHL capable mobile device to this large Philips MHL display, and watch your HD videos come to life with full digital sound. Now not only you can enjoy your mobile games, photos, movies, or other apps on its big screen, you can simultaneously charge your mobile device so you never run out of power half way.

HDMI ready

HDMI-ready

Enjoy crisp colorful images and audio with simple one-cable connection. An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. An HDMI cable enables high-quality smooth digital video (up to 4K/UHD resolution at 60 Hz) and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

Low bezel-to-table height

The Philips monitor, thanks to its advanced SmartErgoBase, can be lowered down almost to desk level for a comfortable viewing angle. Low bezel-to-table height is the perfect solution if you use bifocals, trifocals or progressive lens glasses for your computing work. Additionally, it allows for users with greatly different heights to use the monitor in their preferred angle and height settings, helping them reduce fatigue and strain.

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.

4K Ultra HD · 1ms · MultiView · SmartErgoBase · Built-in speakers · SmartConnect · MHL Mobile High-Definition Link · TCO Certified edge · epeat GOLD

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Specifications

Picture/Display
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Panel Size: 28 inch / 71.1 cm
- Effective viewing area: 620.93 (H) x 341.28 (V)
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Aspect ratio: 16:9
- Optimum resolution: 3840 x 2160 @ 60Hz
- Response time (typical): 5 ms
- SmartResponse (typical): 1 ms (Gray to Gray)
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1,000:1
- SmartContrast: 50,000,000 :1
- Pixel pitch: 0.16 x 0.16 mm
- Viewing angle: 170° (H) / 160° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colors: Color support 1.07 billion colors
- Scanning Frequency: 30 - 99 kHz (H) for VGA, DVI, HDMI-MHL / 30 - 160 kHz (H) for DisplayPort, Analog: 56 ~ 80Hz (V) / Digital: 23 ~ 80Hz (V)
- MHL: 1080P @ 60Hz
- sRGB

Connectivity
- USB: USB 2.0 x 2, USB 3.0x2 (1 w/fast charging)*
- Signal Input: VGA (Analog), DVI-Dual Link (digital, HDCP), DisplayPort 1.2, HDMI (2.0) - MHL x 1
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Convenience
- Built-in Speakers: 3 W x 2
- MultiView: PIP/PBP mode, 2x devices
- User convenience: SmartImage, Multiview, User, 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, Windows 7, Windows 8

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

Power
- ECO mode: 30 W (typ.)
- On mode: 48.65 W (typ.) (EnergyStar 6.0 test method)
- Standby mode: 0.5 W (typ)
- Off mode: Zero watts with AC switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions
- Product with stand(max height): 659 x 573 x 273 mm
- Product without stand (mm): 659 x 395 x 49 mm
- Packaging in mm (WxHxD): 782 x 497 x 224 mm

Weight
- Product with stand (kg): 8.05 kg
- Product without stand (kg): 5.25 kg
- Product with packaging (kg): 11.95 kg

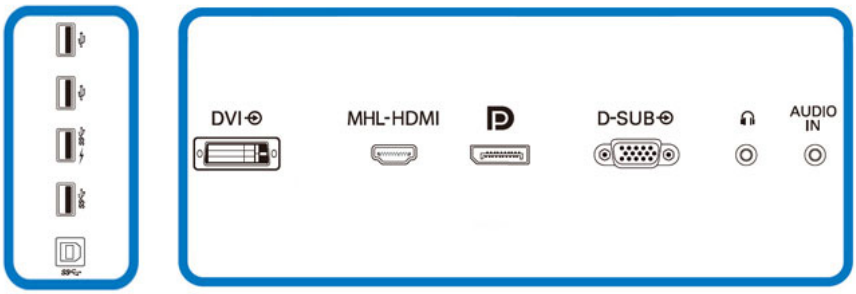
Operating conditions
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 70,000 hrs (excluded backlight) hour(s)

Sustainability
- Environmental and energy: EnergyStar 6.0, EPEAT Gold*, 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: CE Mark, FCC Class B, SEMKO, cETLus, BSMI, CU-EAC, TCO certified, TUV/GS, TUV Ergo, EPA, PSB, WEEE, C-tick, UKRAINIAN, CECP, VCCI, KCC, PSE, KC, ICES-003, E-standby, J-MOSS

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

What's in the box?
- Monitor with stand
- Cables: D-Sub cable, DVI cable, DP cable, HDMI cable, Audio cable, Power cable
- User Documentation



I/O back panel connector diagram

* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work
* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.
* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality
* Requires minimum graphics to support UHD resolution at 60Hz, for minimum requirements please consult your graphics vendor.
* Smart response time is the optimum value from either GtG or GtG (BW) tests.
* EPEAT Gold or Silver is valid only where Philips registers the product. Please visit www.epeat.net for registration status in your country.

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