



Philips Brilliance
IPS LCD monitor, LED
backlight with ErgoSensor

- P-line
- 23" / 58.4cm
- Full HD display

Brilliance

231P4QRYEB



World's first ErgoSensor display

for a healthy, productive workplace

The innovative Philips ErgoSensor monitor is the world's first intelligent display that can advise you how to sit in an ergonomically correct position at your computer screen

ErgoSensor for ultimate ergonomics

- ErgoSensor for a healthier way of working
- Neck posture detection and corrective advice
- Optimal viewing distance measurement and advice
- Time-break reminder

Brilliant performance

- IPS LED wide view technology for image and color accuracy
- DisplayPort offers audio and video over a single, long cable

Sustainable Eco-design

- Zero power consumption with 0 watt hard switch
- 65% post consumer recycled plastics with TCO Edge

Designed for people

- SmartErgoBase enables people-friendly ergonomic adjustments
- Low bezel-to-table height for maximum reading comfort

PHILIPS

Highlights

ErgoSensor

It is Philips firm belief that work should be suited to people, and not the other way around. To promote a healthier and productive workplace, Philips has developed world's first innovative technology called "ErgoSensor" which is embedded in the monitor to sense and measure the user's behavior. ErgoSensor advises users how to sit in an ergonomic position at their computer with a corrective feedback on optimal viewing distance, ergonomic neck angle, and a time break advice. It also saves upto 80% energy consumption if user is not present on the seat by powering off the monitor.

IPS technology



IPS

TN

IPS 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, IPS 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.

DisplayPort

DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

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.

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.

TCO Edge

TCO Edge certification is given to products which go beyond existing eco-labeling programs. Over and above standard TCO requirements, it further mandates that the product uses minimum 65% of post consumer recycled plastics, is energy efficient, uses minimal hazardous materials, has 100% recyclable packaging, and is designed for easy recycling amongst other requirements. You can rest assured that this Philips monitor is a cutting edge technology product which is best in class ICT, benefitting you and the planet while helping you make a responsible green IT purchase!

Zero power consumption

At the flick of the 0 watt hard switch which is conveniently located at the back, you can completely cut-off your monitor from AC power. This results in zero power consumption reducing your carbon footprint even further



Specifications

Picture/Display

- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Panel Size: 23 inch / 58.4 cm
- Effective viewing area: 509.18 (H) x 286.41 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920x 1080 @ 60Hz
- Response time (typical): 14 ms
- SmartResponse (typical): 7 ms (Gray to Gray)
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.265 x 0.265 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colors: 16.7 M
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 75 Hz (V)
- sRGB

Connectivity

- Signal Input: DisplayPort, DVI-D (digital, HDCP), VGA (Analog)
- USB: USB 2.0 x 4
- Sync Input: Separate Sync, Sync on Green
- Audio In/Out: PC audio-in, Headphone out

Convenience

- Built-in Speaker: 1.5Wx2
- User convenience: SmartImage, Volume, Ergo, Menu, Power On/Off
- Control software: SmartControl Premium
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7/Vista/XP

Stand

- Height adjustment: 130 mm
- Pivot: 90 degree, clockwise, auto pivot
- Swivel: -65/65 degree
- Tilt: -5/20 degree

Power

- ECO mode: 18 W (typ.)
- On mode: 29.1 W (EnergyStar 5.0 test method)
- Standby mode: 0.3 W
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: 100-240VAC, 50-60Hz, Built-in

Dimensions

- Product with stand (mm): 547 x 515 x 220 mm
- Product without stand (mm): 547 x 343 x 60 mm
- Packaging in mm (WxHxD): 600 x 400 x 263 mm

Weight

- Product with stand (kg): 5.23 kg
- Product without stand (kg): 3.09 kg
- Product with packaging (kg): 7.70 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

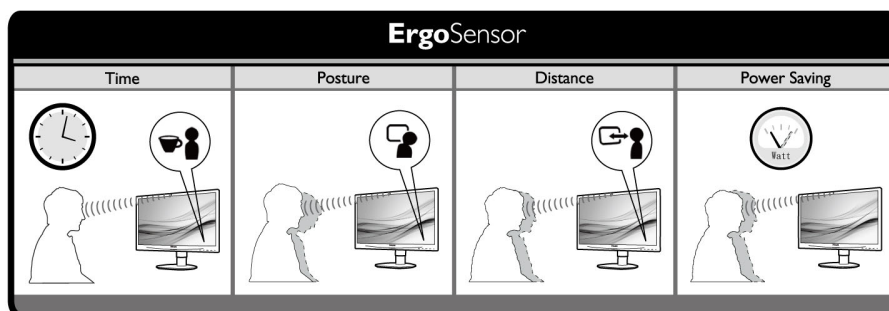
- Environmental and energy: ErgoSensor, EnergyStar 5.0, EPEAT Gold*, TCO edge, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 65%
- Specific Substances: PVC / BFR free housing, Mercury free, Lead free

Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, SASO, SEMKO, TCO 5.2, TUV Ergo, TUV/GS, UL/cUL, WEEE

Cabinet

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



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