



Philips Brilliance  
LCD monitor with Clinical  
D-image

Clinical review display  
24.1" (61 cm)  
1920 x 1200 (2 MP)

**Brilliance**



**C240P4QPYEW**

## Clinical Review Display

with Brilliant Images

This Philips display is ideal for everyday clinical care environment. D-image preset gives you consistent DICOM grayscale medical images. Its medical grade power supply ensures basic safety.

### Clinical Review

- Clinical D-image preset for DICOM part 14 Grayscale images
- SmartImage Clinic for common display settings
- Medical grade power supply ensures safety with low emission
- Design complements clinical environment

### Brilliant performance

- IPS technology for full colors and wide viewing angles
- PowerSensor saves up to 80% energy costs
- Built-in stereo speakers for multimedia
- DisplayPort offers audio and video over a single, long cable
- USB Hub with 4 ports for easy connections

### Designed for people

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

**PHILIPS**

# Highlights

## Clinical D-image



Monitors must show medical images consistently with high quality to achieve reliable interpretations. The rendering of medical Grayscale images on standard monitors is mostly inconsistent at best, making them unsuitable for usage in a clinical environment. Philips clinical review displays with clinical D-image preset are factory calibrated to give DICOM part 14 compatible Grayscale standard display performance. By using high quality LCD panels with LED technology, Philips offers you consistent and reliable performance at an affordable price point. Further info on <http://medical.nema.org/>

## SmartImage Clinic

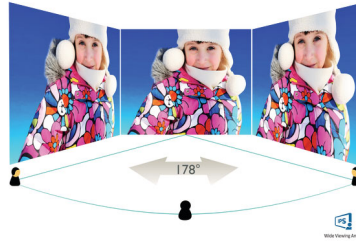
SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen, and based on different applications/images displayed on a monitor, SmartImage optimizes display content by dynamically adjusting brightness, contrast, color and sharpness in real time.

## Medical grade power supply

Basic safety, essential performance and reliability are essential requirements in a professional clinical environment. Unlike standard displays, Philips clinical review displays employ special medical grade power supplies in order to meet these requirements. It complies with EN/IEC 60601-1 standard ensuring basic safety and essential performance. Additionally it also complies with EN/IEC 60601-1-2 collateral standard for medical grade electromagnetic tests and compatibility. Many countries, hospitals and

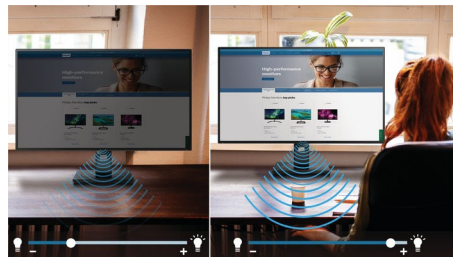
clinics mandate compliance to these standards as a requirement.

## IPS technology



IPS 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 - 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.

## PowerSensor



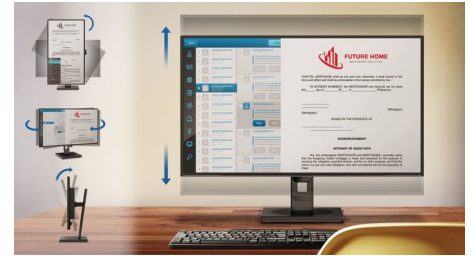
PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

## 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.



# Specifications

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 24 inch / 61 cm
- Effective viewing area: 518.4 (H) x 324 (V)
- Aspect ratio: 16:10
- Optimum resolution: 1920 x 1200 @ 60Hz
- Response time (typical): 14 ms
- Brightness: 300 cd/m<sup>2</sup>
- Contrast ratio (typical): 1,000:1
- Pixel pitch: 0.270 x 0.270 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Display colors: 16.7 M
- Scanning Frequency: 24 - 94 kHz (H) / 48 - 85 Hz (V)
- sRGB
- Picture enhancement: SmartImage Clinic
- DICOM: Clinical D-image, DICOM part-14
- DICOM calibrated brightness: 265 cd/m<sup>2</sup>

## Connectivity

- Signal Input: DisplayPort 1.2, DVI-D (digital, HDCP), VGA (Analog)
- USB: USB 2.0 x 4
- Sync Input: Sync on Green, Separate Sync
- Audio (In/Out): PC audio-in, Headphone out
- Built-in speakers: 2Wx2

## Convenience

- User convenience: SmartImage Clinic, PowerSensor, Menu, Power On/Off, 4:3 / Wide
- Control software: SmartControl
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish, Brazil Portuguese, Czech, Dutch, Finnish, Greek, Hungarian, Japanese, Korean, Polish, 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: 130 mm
- Pivot: 90 degree
- Swivel: -65/65 degree
- Tilt: -5/20 degree

## Power

- On mode: 31.4 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- External power supply: 100-240VAC, 50-60Hz (Medical cert.: IEC60601-1 / EN60601-1)

## Dimensions

- Product with stand(max height): 555 x 550 x 244 mm
- Product without stand (mm): 555 x 388 x 65 mm
- Packaging in mm (WxHxD): 632 x 457 x 286 mm

## Weight

- Product with stand (kg): 6.97 kg
- Product without stand (kg): 4.64 kg
- Product with packaging (kg): 9.80 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: PowerSensor, RoHS, WEEE
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

## Compliance and standards

- EMC: IEC/EN60601-1-2, CE Mark
- Safety: IEC/EN60601-1, CE Mark
- Ergonomic/Others: JIS Z2801, TUV/GS, TUV Ergo, ISO 13485 certified, CCC, CECP, RCM, UL/cUL, TCO certified

## Cabinet

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



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\* Please note: This display is not certified to be used in patient vicinity.  
Any use for primary diagnostics is the sole responsibility of the hospital or clinic operator only.  
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