



Philips Brilliance  
LCD monitor with Clinical  
D-image

Clinical review display  
27" (68.6 cm)  
1920 x 1080 (2 MP)



C271P4QPJEW

## Clinical Review Display with Brilliant Images

This Philips display is ideal for an everyday clinical care environment. D-image pre-set gives you consistent DICOM greyscale medical images. Its medical-grade power supply ensures basic safety. Anti-microbial housing inhibits bacterial growth.

### Brilliant performance

- AMVA LED for wide-view super-high contrast, vivid images
- Built-in stereo speakers for multimedia
- HDMI ensures universal digital connectivity
- USB Hub with four ports for easy connections
- PowerSensor saves up to 80% energy costs
- DisplayPort offers audio and video over a single, long cable

### Clinical Review

- Antimicrobial housing actively inhibits bacterial growth
- Design complements clinical environment
- Medical-grade power supply ensures safety with low emission
- Clinical D-image pre-set for DICOM part 14 Greyscale images
- SmartImage Clinic for common display settings

### Designed for people

- 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 Greyscale images on standard monitors is mostly inconsistent at best, making them unsuitable for use in a clinical environment. Philips clinical review displays with clinical D-image pre-set are factory-calibrated to give DICOM part 14 compatible Greyscale standard display performance. By using high-quality LCD panels with LED technology, Philips offers you consistent and reliable performance at an affordable price. Further info on <http://medical.nema.org/>

## SmartImage Clinic

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

## Antimicrobial housing



Germs have become a growing problem in hospitals and clinical environments worldwide as they can cause life-threatening infections. Philips clinical review displays take care of this challenge by using a JIS Z2801-compliant antimicrobial additive in its housing material

making it an integral part of the display housing. Your wellbeing, along with your patients, is now assured by this protective shield that impedes the growth of the most common microorganisms, such as "Staphylococcus aureus (Gastroenteritis)", "Escherichia coli (E Coli)" and "Klebsiella (Pneumonia)", for example.

## Medical-grade power supply

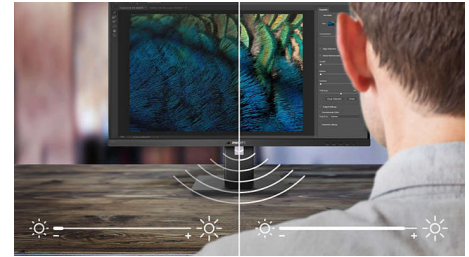
Basic safety, essential performance and reliability are essential requirements in a professional clinical environment. Unlike standard displays, Philips clinical review displays employ special medical-grade power supplies in order to meet these requirements. It complies with the EN/IEC 60601-1 standard ensuring basic safety and essential performance. It also complies with the 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.

## AMVA LED display



Philips AMVA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, films, gaming and demanding graphical applications. Its optimised pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images even in 90 degree pivot mode

## PowerSensor

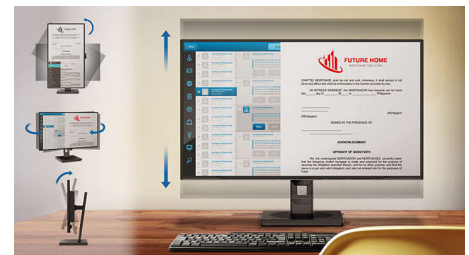


PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and then automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

## DisplayPort

DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable of supporting cables of up to 15 metres 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 demanding media 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 can swivel, tilt and rotate to various angles to ensure maximum comfort. The height-adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

# Specifications

## Connectivity

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

## Picture/Display

- Panel Size: 27 inch/68.6 cm
- Aspect ratio: 16:9
- LCD panel type: AMVA LCD
- Backlight type: W-LED system
- Pixel pitch: 0.311 x 0.311 mm (0.012" x 0.012")
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 300 cd/m<sup>2</sup>
- DICOM calibrated brightness: 260 cd/m<sup>2</sup>
- Display colours: 16.7 M
- Contrast ratio (typical): 5000:1
- Response time (typical): 12 ms
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage Clinic
- Effective viewing area: 597.6 (H) x 336.15 (V)
- Scanning Frequency: 30–83 kHz (H)/56–75 Hz (V)
- sRGB
- DICOM: Clinical D-image, DICOM part-14

## Convenience

- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8/7/Vista
- User convenience: SmartImage Clinic, PowerSensor, Menu, Power On/Off, 4:3/Wide
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock, VESA mount (100 x 100 mm)
- Control software: SmartControl Premium

## Stand

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

## Power

- Off mode: Zero watts with Zero switch
- On mode: 26 W (typ.) (EnergyStar 6.0 test method)

- Standby mode: 0.4 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- External power supply: 100-240VAC, 50-60 Hz (Medical cert.: IEC60601-1/EN60601-1)

## Dimensions

- Packaging in mm (W x H x D): 750 x 234 x 490 mm
- Product without stand (mm): 639 x 405 x 64 mm
- Product with stand (max height): 639 x 577 x 191 mm

## Weight

- Product with packaging (kg): 10.35 kg
- Product with stand (kg): 7.90 kg
- Product without stand (kg): 5.10 kg

## Operating conditions

- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 30,000 hour(s)
- Relative humidity: 20%–80% %
- Temperature range (storage): -20°C to 60°C °C

## Antimicrobial

- Anti-microbial housing
- JISZ2801 Anti-microbial housing

## Sustainability

- Environmental and energy: EnergyStar 6.0, PowerSensor, RoHS
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free

## Compliance and standards

- EMC: IEC/EN60601-1-2, CE Mark
- Ergonomic/Others: JIS Z2801, Energy Star, TUV Ergo, TUV/GS, ISO 13485 certified, WEEE
- Safety: IEC/EN60601-1, CE Mark, GOST

## Cabinet

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



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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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