**Philips Brilliance
LCD monitor with Clinical
D-image**

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

C271P4QPJEW

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. 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 4 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 preset for DICOM part 14 Grayscale 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 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.

AntiMicrobial housing

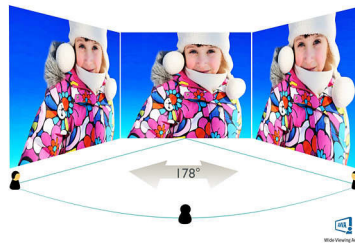Before   After 24 hours

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 JIS Z2801 compliant antimicrobial additive in its housing material

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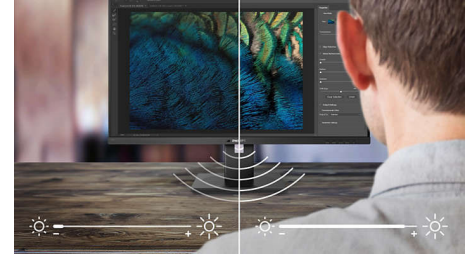
Medical grade power supply

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 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.

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, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images even in 90 degree pivot mode
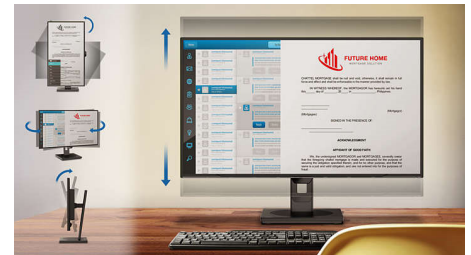
PowerSensor

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if 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 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 (Analog)
- USB: USB 2.0 x 4
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out
- Built-in speakers: 2Wx2

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
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 300 cd/m²
- DICOM calibrated brightness: 260 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 5,000:1
- 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 & 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 (100x100mm)
- 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 (blinking)
- External power supply: 100-240VAC, 50-60Hz

(Medical cert.: IEC60601-1 / EN60601-1)

Dimensions
- Packaging in mm (WxHxD): 750 x 234 x 490 mm
- Product without stand (mm): 639 x 405 x 64 mm
- Packaging in inch (WxHxD): 29.5 x 9.2 x 19.3 inch
- Product without stand in inch: 25.2 x 15.9 x 2.5 inch
- Product with stand(max height): 639 x 577 x 191 mm
- Product with stand(max height): 25.2 x 22.7 x 7.5 inch

Weight
- Product with packaging (kg): 10.35 kg
- Product with stand (kg): 7.90 kg
- Product with packaging (lb): 22.77 lb
- Product with stand (lb): 17.38 lb
- Product without stand (kg): 5.10 kg
- Product without stand (lb): 11.22 lb

Operating conditions
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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

Anti-Microbial
- Anti-microbial housing
- JISZ2801Anti-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

* 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.
* DICOM is the registered trademark of the NEMA for its standards publications relating to digital communications of medical information.
* "AMVA" word mark / trademark and related patents on technologies belong to their respective owners.