



LCD monitor with Clinical D-image

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

C240P4QPYEW/00

Clinical Review Display

with Brilliant Images

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

Benefits

Clinical Review

- Clinical D-image pre-set for DICOM part 14 Greyscale 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 colours and wide viewing angles
- PowerSensor saves up to 80% energy costs

- DisplayPort offers audio and video over a single, long cable
- USB Hub with four ports for easy connections
- Built-in stereo speakers for multimedia

Designed for people

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

PHILIPS

Features

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.

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.

IPS technology



IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, 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 colours, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand colour 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 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 to support up to 15 metre 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 more demanding gaming and films, video editing and more. It also keeps interoperability in mind via the use of various adapters.

SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

Low bezel-to-table height



Thanks to its advanced SmartErgoBase, the Philips monitor 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 users of different heights to use the monitor at their preferred angle and height settings, helping them to reduce fatigue and strain.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

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 @ 60 Hz
Response time (typical)	14 ms
Brightness	300 cd/m ²
Contrast ratio (typical)	1000:1
Pixel pitch	0.270 x 0.270 mm
Viewing angle	178° (H)/178° (V) @ C/R > 10
Display colours	16.7 M
Scanning Frequency sRGB	24–94 kHz (H)/48–85 Hz (V) Yes
Picture enhancement DICOM	SmartImage Clinic Clinical D-image DICOM part-14
DICOM calibrated brightness	265 cd/m ²

Connectivity

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

Convenience

User convenience	SmartImage Clinic PowerSensor Menu Power On/Off 4:3/Wide
Control software OSD Languages	SmartControl 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 (100 x 100 mm)
Plug and 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 (flashing)
External power supply	100-240VAC, 50-60 Hz (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 (W x H x D)	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: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
MTBF	30,000 hour(s)

Sustainability

Environmental and energy	PowerSensor RoHS WEEE
Recyclable packaging material	100 %
Specific Substances	PVC/BFR free housing Mercury free Lead 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

* 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.
* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.



data subject to change
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