



## Philips

LCD monitor with Clinical D-image

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

C240P4QPYEW/27

# 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.

## Benefits

### Clinical Review

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

### Brilliant performance

- IPS LED wide view technology for image and color accuracy
- PowerSensor saves up to 80% energy costs

- DisplayPort offers audio and video over a single, long cable
- USB Hub with 4 ports for easy connections
- Built-in stereo speakers for multimedia

### Designed for people

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

# PHILIPS

## Features

### Clinical D-image

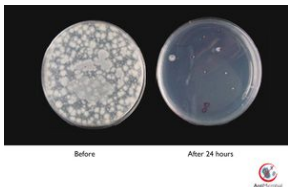


Monitors must show medical images consistently with high quality to achieve reliable interpretations. The rendering of medical Grayscale images on standard monitors is mostly inconsistent at best, making them unsuitable for usage in a clinical environment. Philips clinical review displays with clinical 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



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.

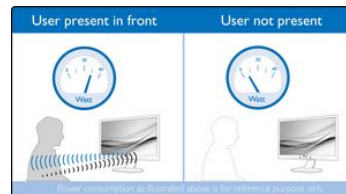
### IPS technology



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

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 LCD
Backlight type	W-LED system
Panel Size	24.1 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	Yes
Picture enhancement	SmartImage Clinic
DICOM	Clinical D-image DICOM part-14
DICOM calibrated brightness	210 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	Separate Sync Sync on Green
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 OSD Languages	SmartControl Premium 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 8/7/Vista

### Stand

Height adjustment	130 mm
Pivot	90 degree
Swivel	-65/65 degree
Tilt	-5/20 degree

### Power

On mode	17.4 W (typ.) (EnergyStar 6.0 test method)
Standby mode	0.4 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 with stand(max height)	21.9 x 21.7 x 9.6 inch
Product without stand (mm)	555 x 388 x 65 mm
Product without stand in inch	21.9 x 15.3 x 2.6 inch
Packaging in mm (WxHxD)	632 x 457 x 286 mm
Packaging in inch (WxHxD)	24.9 x 18.0 x 11.3 inch

### Weight

Product with stand (kg)	6.97 kg
Product with stand (lb)	15.33 lb
Product without stand (kg)	4.64 kg
Product without stand (lb)	10.21 lb
Product with packaging (kg)	9.80 kg
Product with packaging (lb)	21.56 lb

### 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)

### Anti-Microbial

Anti-microbial housing	Yes
JISZ2801Anti-microbial housing	Yes

### Sustainability

Environmental and energy	EnergyStar 6.0 EPEAT Gold* PowerSensor RoHS
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 GOST
Ergonomic/Others	JIS Z2801 Energy Star TUV/GS TUV Ergo TCO 6.0 ISO 13485 certified WEEE

## Cabinet

Front bezel  
Rear cover  
Foot

White  
White  
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.
- \* EPEAT Gold is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.
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