XEED

Medical Projector Range.

XEED WUX4000 Medical
XEED WUX10 Mark II Medical
XEED SX7 Mark II Medical
XEED SX80 Mark II Medical

you can

Canon

Giving all the image accuracy you need.

Medical imaging demands extremely accurate reproduction of greyscales, if patient conditions are to be illustrated faithfully. Combining the benefits of Canon's LCOS panel technology with ultra-bright, high resolution imaging – up to native WUXGA resolution (1920 x 1200 pixels) – XEED offers seamless projection and optimal reproduction of medical images.

In hospitals, private medical centres and dentistry practices, Canon XEED projectors are a powerful addition to any PACS (Picture Archiving and Communication System), providing a reliable platform for radiological case discussions. Teaching hospitals and university medical schools will appreciate XEED's precise and accurate projection of X-ray and MRI images in any size of room.

Out-of-the-box DICOM simulation.

Optimising images to human visual perception, the DICOM 14 standard sets the benchmark in digital radiology. The XEED WUX4000 Medical, XEED WUX10 Mark II Medical, XEED SX7 Mark II Medical and XEED SX80 Mark II Medical all offer a DICOM simulation mode as standard.*

This DICOM SIM mode features 21 different levels of greyscale reproduction, based on varying combinations of luminance and contrast. The result is a flexible solution that can be used in various ambient lighting conditions. In addition, the range of DICOM presets available makes it far easier to accurately match twin screens when required.
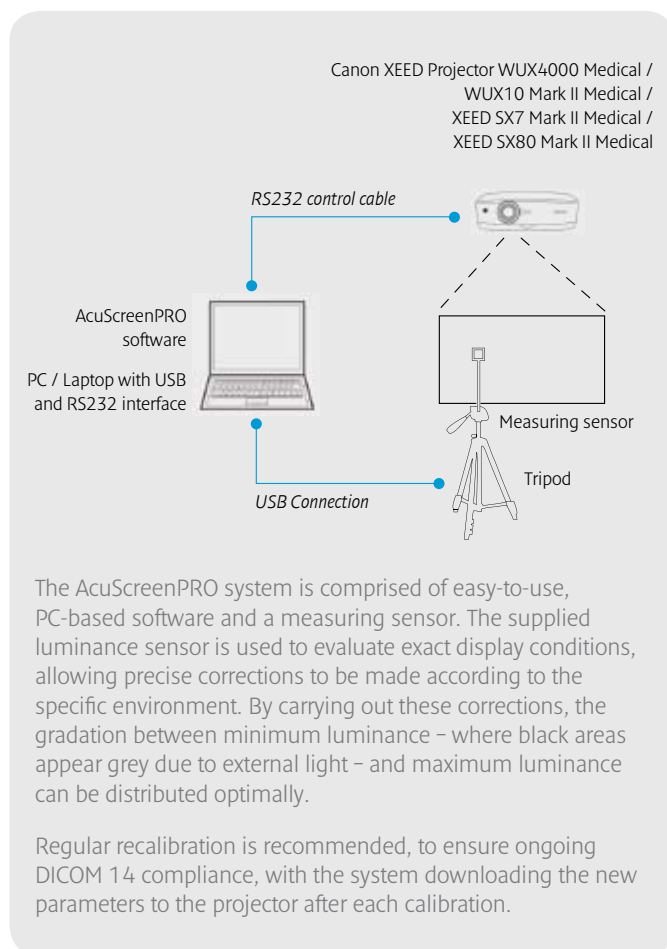
Additional on-site calibration option.

On-site calibration giving full DICOM 14 compliance can be achieved using the AcuScreenPRO system, available separately from our partner Larivière GmbH. Environmental factors, such as the intensity and tone of ambient light, plus the projection screen type, are all taken into account to achieve the very best possible image quality.

Without DICOM simulation mode

With DICOM simulation mode

Canon XEED Projector WUX4000 Medical / WUX10 Mark II Medical / XEED SX7 Mark II Medical / XEED SX80 Mark II Medical

RS232 control cable

AcuScreenPRO software

PC / Laptop with USB and RS232 interface

USB Connection

Measuring sensor

Tripod

The AcuScreenPRO system is comprised of easy-to-use, PC-based software and a measuring sensor. The supplied luminance sensor is used to evaluate exact display conditions, allowing precise corrections to be made according to the specific environment. By carrying out these corrections, the gradation between minimum luminance – where black areas appear grey due to external light – and maximum luminance can be distributed optimally.

Regular recalibration is recommended, to ensure ongoing DICOM 14 compliance, with the system downloading the new parameters to the projector after each calibration.

larivière
AcuScreenPRO

* XEED projectors are not approved for diagnostic purposes.

The XEED advantage:
The superior choice for medical professionals.

Leveraging Canon's 70 year heritage at the forefront of lens design, Canon XEED projectors deliver crisp, premium quality projection for demanding medical imaging applications, in a choice of both portable and installation models.

Employing Canon LCOS (Liquid Crystal on Silicon) panel technology, ultra-fine greyscales can be achieved in most lighting conditions. Projected images are displayed seamlessly, free from unwanted lattice and rainbow effects, that can so often plague conventional LCD and DLP models. The result is simply the best possible reproduction of radiological images.

A combination of exceptional contrast and high brightness is achieved via a unique optical system known as Canon AISYS (Aspectual Illumination System).

XEED WUX4000 Medical Installation Projector

- Native WUXGA resolution with Canon LCOS technology
- 4000 lumens brightness and 1000:1 contrast ratio
- Full HD capability
- DICOM Simulation image mode
- Range of three interchangeable lenses and motorised lens shift

AISYS Aspectual Illumination System | FULL HD 1080 | HDMI

XEED WUX10 Mark II Medical Portable Projector

- Native WUXGA resolution with Canon LCOS technology
- 3200 lumens brightness and 1000:1 contrast ratio
- Full HD capability
- DICOM Simulation image mode

AISYS Aspectual Illumination System | FULL HD 1080 | HDMI

XEED SX7 Mark II Medical Portable Projector

- Native SXGA+ resolution with Canon LCOS technology
- 4000 lumens brightness and 1000:1 contrast ratio
- HD Ready
- DICOM Simulation image mode

AISYS Aspectual Illumination System | HD ready

XEED SX80 Mark II Medical Portable Projector

- Native SXGA+ resolution with Canon LCOS technology
- 3000 lumens brightness and 900:1 contrast ratio
- PC-less presentation via USB port
- DICOM Simulation image mode

AISYS Aspectual Illumination System | HD ready | HDMI | PictBridge

XEED in action.

The Department of Radiological Diagnostics and Nuclear Medicine at Klinikum Bremen-Mitte*, Germany chose two DICOM 14 calibrated Canon XEED projectors for its new conference and training facility.

The efficient comparative study of X-ray images plays a large role in shortening diagnostic processes.

Canon XEED projectors are regularly selected by leading medical system integrators as their projection solution of choice for this type of application.

* www.klinikum-bremen-mitte.de

PHILIPS

AGFA Agfa

SPECIFICATIONS	XEED WUX4000 MEDICAL	XEED WUX10 MARK II MEDICAL	XEED SX7 MARK II MEDICAL	XEED SX80 MARK II MEDICAL
PRODUCT CLASS	Installation	Portable	Portable	Portable
LCD PANEL				
Type	LCOS reflective display, TFT Active Matrix	LCOS reflective display, TFT Active Matrix	LCOS reflective display, TFT Active Matrix	LCOS reflective display, TFT Active Matrix
Aspect Ratio	16:10	16:10	4:3	4:3
Native Resolution	1920 x 1200 (WUXGA), 2304000 pixels	1920 x 1200 (WUXGA), 2304000 pixels	1400 x 1050 (SXGA+), 1470000 pixels	1400 x 1050 (SXGA+), 1470000 pixels
OPTICS				
Zoom Magnification and Control	1.5x Motorised	1.5x Motorised	1.7x Motorised	1.5x Motorised
Lens Shift	Vertical and Horizontal, Motorised	10:0 (fixed)	9:1 (fixed)	10:0 (fixed)
IMAGE AND AUDIO				
Brightness	4000 lumens	3200 lumens	4000 lumens	3000 lumens
Contrast Ratio	1000:1 (full on / full off)	1000:1 (full on / full off)	1000:1 (full on / full off)	900:1 (full on / full off)
Keystone Correction Range	Vertical: +20° to -11°	Vertical: +/- 20° (Auto / Manual)	Vertical: +/- 20° (Auto / Manual),	Vertical: +/- 20° (Auto / Manual)
	Horizontal: +/-20°	Horizontal: None	Horizontal: +/- 20° (Manual)	Horizontal: None
Display Modes	Standard, Presentation, Dynamic, Vivid Photo, Photo/sRGB, Video, Cinema, Custom DICOM SIM	Standard, Presentation, Movie, sRGB, Photo, DICOM SIM	Standard, Presentation, Movie, Adobe RGB, sRGB, Photo, DICOM SIM	Standard, Presentation, Movie, sRGB, Photo, DICOM SIM
PORTS AND CONNECTORS				
Digital RGB / Analogue RGB	DVI-D 24-pin (HDCP compatible)	DVI-I 29-pin (HDCP compatible)	DVI-I 29-pin (HDCP compatible)	DVI-I 29-pin (HDCP compatible)
Digital Video and Audio Input	HDMI V1.3 with Deep Colour	HDMI V1.3 with Deep Colour	–	HDMI V1.3 with Deep Colour
Analogue RGB Input 2	Mini D-Sub 15-pin (Component via optional adaptor cable)	Mini D-Sub 15-pin (Component via supplied adaptor cable)	Mini D-Sub 15-pin (Component via supplied adaptor cable)	Mini D-Sub 15-pin (Component via supplied adaptor cable)
Analogue RGB Output	–	Mini D-Sub 15-pin (shared with Input 2)	Mini D-Sub 15-pin	Mini D-Sub 15-pin
S-Video Input	–	Mini-DIN 4-pin	Mini-DIN 4-pin	Mini-DIN 4-pin
Composite Video Input	–	RCA x 1	RCA x 1	RCA x 1
Audio Inputs	3.5mm stereo mini-jack x 2	3.5mm stereo mini-jack x 3	3.5mm stereo mini-jack x 3	3.5mm stereo mini-jack x 3
Audio Output	3.5mm stereo mini-jack (variable level)	3.5mm stereo mini-jack (variable level)	3.5mm stereo mini-jack (variable level)	3.5mm stereo mini-jack (variable level)
Service Port / Projector Control	Mini D-Sub 9-pin	Mini D-Sub 9-pin	Mini-DIN 8-pin	Mini D-Sub 9-pin
Network Port	RJ-45	RJ-45	Via optional RS-NA01 network adaptor	RJ-45
RATINGS				
Dimensions (W x H x D)	380mm x 170mm x 430mm	284mm x 114mm x 336mm	266mm x 114mm x 336mm	332mm x 121mm x 340mm
Weight	8.5kg (without lens)	5.0kg	4.8kg	5.0kg
Power Consumption	Normal Mode: 410W / Quiet Mode: 365W / Standby: 1.7W / Standby (LAN off): 0.35W	Normal Mode: 400W / Quiet Mode: 330W / Standby: 11W	Normal Mode: 360W / Quiet Mode: 290W / Standby: 7W	Normal Mode: 330W / Quiet Mode: 270W / Standby: 15W
Noise Level	Normal Mode: 39dBA / Quiet Mode: 36dBA	Normal Mode: 36dBA / Quiet Mode: 32dBA	Normal Mode: 35dBA / Quiet Mode: 31dBA	Normal Mode: 35dBA / Quiet Mode: 31dBA
Warranty	3 years	3 years	3 years	3 years

All data is based on Canon's standard testing methods. This Leaflet and the specifications of the product have been developed prior to the date of product launch. Specifications are subject to change without notice.
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True Throw Distances

WUX4000 MEDICAL WITH STANDARD LENS							
Image size (inches)	40	60	80	100	150	200	300
Width (cm)	86	129	172	215	323	431	646
Height (cm)	54	81	108	135	202	269	404
Projection distance (zoom max)	1.3m	1.9m	2.6m	3.2m	4.8m	6.4m	9.6m
Projection distance (zoom min)	1.9m	2.9m	3.9m	4.8m	7.2m	9.6m	—

WUX10 MARK II MEDICAL							
Image size (inches)	40	60	80	100	150	200	300
Width (cm)	86	129	172	215	323	431	646
Height (cm)	54	81	108	135	202	269	404
Projection distance (zoom max)	1.2m	1.8m	2.4m	3.0m	4.5m	6.1m	9.1m
Projection distance (zoom min)	1.8m	2.6m	3.5m	4.4m	6.7m	8.9m	—

SX7 MARK II MEDICAL							
Image size (inches)	40	60	80	100	150	200	300
Width (cm)	81	122	163	203	305	406	610
Height (cm)	61	91	122	152	229	305	457
Projection distance (zoom max)	1.2m	1.8m	2.4m	3.0m	4.5m	5.9m	8.9m
Projection distance (zoom min)	2.0m	2.9m	3.9m	4.9m	7.4m	—	—

SX80 MARK II MEDICAL							
Image size (inches)	40	60	80	100	150	200	300
Width (cm)	81	122	163	203	305	406	610
Height (cm)	61	91	122	152	229	305	457
Projection distance (zoom max)	1.2m	1.8m	2.4m	3.0m	4.5m	6.0m	9.1m
Projection distance (zoom min)	1.7m	2.6m	3.5m	4.4m	6.6m	8.9m	—

System Architecture –
Integration of XEED with a typical PACS System

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