XEED BRIGHTER THINKING

MEDICAL PROJECTOR RANGE

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

you can

Canon

Medical imaging – presented with unrivalled clarity

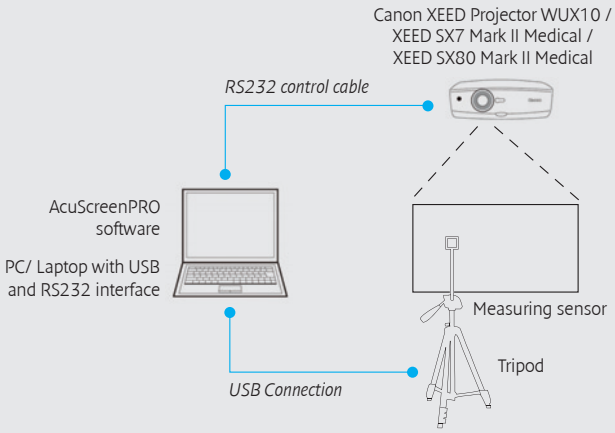
Medical imaging demands extremely accurate reproduction of greyscales if patient conditions are to be illustrated faithfully.

Combining the benefits of Canon's LCOS panel technology with extremely bright, high resolution imaging – up to industry-leading, native WUXGA resolution (1920 x 1200 pixels) – XEED offers seamless projection and optimal reproduction of X-ray images.

At in-hospital conferences and in the university classroom, Canon XEED projectors are a valuable addition to any PACS (Picture Archiving and Communication System), providing a reliable platform for radiological case discussions.

Without DICOM simulation mode

With DICOM simulation mode



The AcuScreenPRO system is comprised of easy-to-use, PC-based software and a measuring sensor. The supplied luminance meter 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 re-calibration is recommended, to ensure ongoing DICOM 14 compliance, with the system downloading the new parameters to the projector after each calibration.

OUT-OF-THE-BOX DICOM SIMULATION

Optimising images to human visual perception, the DICOM 14 standard sets the benchmark in digital radiology.

The 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 combinations of maximum luminance and contrast. The result is a flexible solution that can be used in varying 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.

larivière
AcuScreenPRO

* XEED projectors are not approved for diagnostic purposes.

XEED BRIGHTER THINKING

THE XEED ADVANTAGE: THE ONLY CHOICE FOR MEDICAL PROFESSIONALS.

Setting the standard, Canon XEED projectors offer crisp, high quality projection for professional imaging applications.

Employing Canon LCOS (Liquid Crystal on Silicon) panel technology, ultra fine greyscaling is possible. Projected images are displayed seamlessly, free from the lattice effect that plagues conventional LCD and DLP projectors, allowing the best reproduction of X-ray images possible.

A unique combination of exceptional contrast and brightness is achieved via Canon's AISYS (Aspectual Illumination System).

XEED WUX10 Mark II Medical

AISYS FULL HD 1080 HDMI

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

XEED SX7 Mark II Medical

AISYS HD ready

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

XEED SX80 Mark II Medical

AISYS HD ready HDMI PictBridge

- 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

XEED IN ACTION

The Department of Radiological Diagnostics and Nuclear Medicine at Klinikum Bremen-Mitte, Germany (www.klinikum-bremen-mitte.de) selected two DICOM 14 calibrated Canon XEED projectors for its new radiological conference and training facility.

Combining LCOS technology and native SXGA+ resolution, the efficient comparative study of X-ray images plays a large role in shortening diagnostic processes – benefiting both patients and hospital staff.

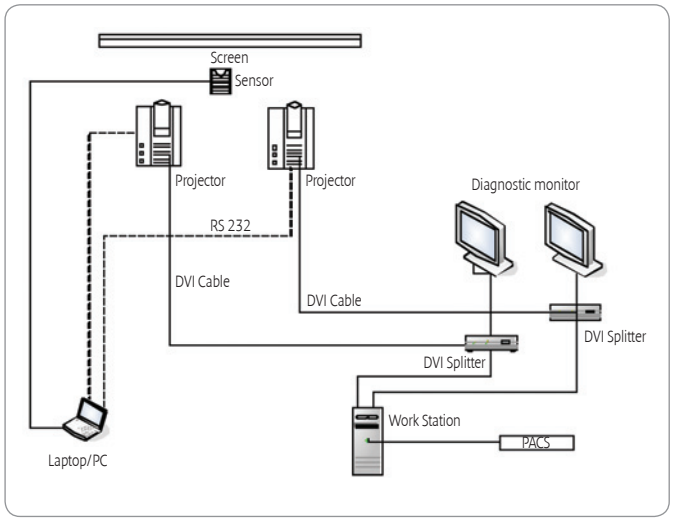
Canon XEED projectors have been installed in many similar situations, having been selected by the industry's leading medical system integrators as their projection solution of choice for this type of application.

PHILIPS AGFA

SPECIFICATIONS	XEED WUX10 Mark II Medical	XEED SX7 Mark II Medical	XEED SX80 Mark II Medical
LCD PANEL			
Type	LCOS reflective display, TFT Active Matrix	LCOS reflective display, TFT Active Matrix	LCOS reflective display, TFT Active Matrix
Aspect Ratio	16:10	4:3	4:3
Native Resolution	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	1.7x Motorised	1.5x Motorised
Lens Shift	10:0 (fixed)	9:1 (fixed)	10:0 (fixed)
IMAGE AND AUDIO			
Brightness	3200 lumens	4000 lumens	3000 lumens
Contrast Ratio	1000:1 (full on / full off)	1000:1 (full on / full off)	900:1 (full on / full off)
Keystone Correction Range	Vertical: +/- 20° (Auto / Manual)	Vertical: +/- 20° (Auto / Manual), Horizontal: +/- 20° (Manual)	Vertical: +/- 20° (Auto / Manual)
Display Modes	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-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
Analogue RGB Input 2	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 Analogue RGB 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 Input 1, Input 2, Input 3	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 x 1 (variable level)	3.5mm stereo mini-jack x 1 (variable level)	3.5mm stereo mini-jack x 1 (variable level)
Service Port / Projector Control	Mini D-Sub 9-pin	Mini-DIN 8-pin	Mini D-Sub 9-pin
Network Port	RJ-45	Via optional RS-NA01 network adaptor	RJ-45
RATINGS			
Dimensions (W x H x D)	284mm x 114mm x 336mm	266mm x 114mm x 336mm	332mm x 121mm x 340mm
Weight	5.0kg	4.8kg	5.0kg
Power Consumption	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: 36dBA / Quiet Mode: 32dBA	Normal Mode: 35dBA / Quiet Mode: 31dBA	Normal Mode: 35dBA / Quiet Mode: 31dBA
Warranty	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.

System Architecture – Integration of XEED with a typical PACS System



True Throw Distances

	WUX10 MARK II MEDICAL								
Image size (inches)	40	60	80	100	150	180	200	250	300
Width (cm)	90	130	170	220	320	390	430	540	650
Height (cm)	50	80	110	130	200	240	270	340	400
Projection distance (zoom max)	1.2m (3.9")	1.8m (5.9")	2.4m (7.9")	3.0m (9.8")	4.5m (14.8")	5.4m (17.7")	6.1m (20.0")	7.6m (24.9")	9.1m (29.9")
Projection distance (zoom min)	1.8m (5.9")	2.6m (8.5")	3.5m (11.5")	4.4m (14.4")	6.7m (22.0")	8.0m (26.3")	8.9m (29.2")	—	—

	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 (3.9")	1.8m (5.9")	2.4m (7.9")	3.0m (9.8")	4.5m (14.8")	5.9m (19.4")	9.1m (29.9")
Projection distance (zoom min)	2.0m (6.6")	2.9m (9.5")	3.9m (12.8")	4.9m (16.1")	7.4m (24.3")	—	—

	SX80 MARK II MEDICAL								
Image size (inches)	40	60	80	100	150	180	200	250	300
Width (cm)	80	120	160	200	300	370	410	510	610
Height (cm)	60	90	120	150	230	270	300	380	460
Projection distance (zoom max)	1.2m (3.9")	1.8m (5.9")	2.4m (7.9")	3.0m (9.8")	4.5m (14.8")	5.4m (17.7")	6.0m (19.7")	7.6m (24.9")	9.1m (29.9")
Projection distance (zoom min)	1.7m (5.6")	2.6m (8.5")	3.5m (11.5")	4.4m (14.4")	6.6m (21.7")	8.0m (26.3")	8.9m (29.2")	—	—

www.canon.com/lcd-sim

Canon Inc.
www.canon.com

Canon Europe Ltd.
www.canon-europe.com

English Edition 0142W139

Canon Europe Limited
3 The Square
Stockley Park
Uxbridge
Middlesex
UB11 1ET
United Kingdom
www.canon-europe.com

Canon (Irl.) Business Equipment Ltd.
Arena Road
Sandyford Industrial Estate
Dublin 18
Ireland
www.canon.ie