Mobile*DR*

DR anywhere
X-ray image in three seconds

00:00:03

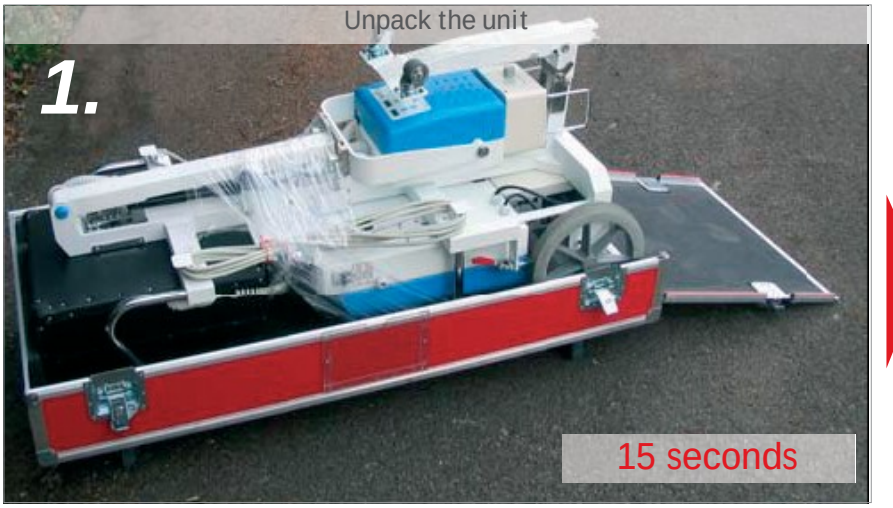
X-ray image
in 3 seconds

The new Mobile DR system with Canon technology incorporates the ultra-fast CXDI-50G Digital Radiography system into a compact, lightweight mobile X-ray unit that can be packed away for rapid transport to any situation where instant X-ray imaging is required.

RAPID DEPLOYMENT, INSTANT IMAGING

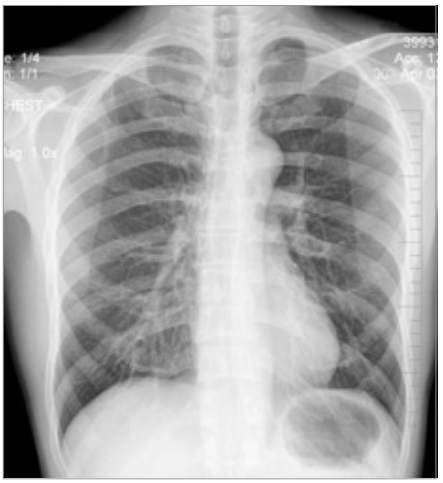
The Canon Mobile Digital Radiography (DR) system can fold away into a minivan or large car, or be packed into a wheeled transportation case for long distance freighting by air or truck. On arrival, the unit can be ready for use in as little as 2 minutes, requiring only a 230Vac power supply (either from the mains or an electrical generator) to produce high quality digital images right there, on the spot, without the need for any chemical film processing. Images are available to view on the integrated touch-screen display just 3 seconds after X-ray exposure. X-rays are produced by the high frequency 4kW X-ray unit supported on the mobile stand. The systems sophisticated Canon software allows manipulation and storage of the images, as well as export to a remote PC using the cabled or wireless network connection. Images can then be transmitted anywhere in the world using the optional web-streaming software.

Unpack the unit



Wheel the unit into position

Unfold, power-up and image!



ADVANCED CONNECTIVITY

The integrated Canon digital system is fully DICOM 3.0 compliant, and supports DICOM Store and Print, as well as Worklist and Modality Performed Procedure Step. Input of patient demographics is conveniently provided using a RIS worklist, a barcode reader or the user-friendly touch panel 'virtual keyboard' can also be used.

SUPERIOR IMAGE QUALITY

Advanced Canon image processing and an outstanding dynamic range provide radiologists and clinicians with an unrivalled level of image quality. These high quality images can be obtained with a minimum dose to the patient, thanks to the sensitivity of the Canon DR detector and the high performance inverter X-ray generator. A detachable grid can be used for dense body regions, such as abdominal, pelvis or axial hip imaging. Grid lines are eliminated from the images on the fly by unique Canon image processing software.

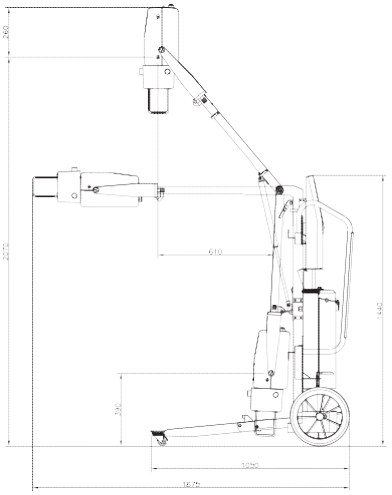
Specifications CXDI-50G

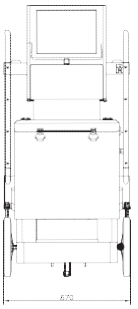
Purpose	General radiography
Method	Flat panel sensor: Scintillator & Armorphous Silicon (a-Si)
Sensor	LANMIT 4 (Large Area New-MLS sensor and TFT)
Scintillator	GOS (Gd_2O_2S: Tb)
Pixel pitch	160 x 160 microns
Pixels	2,208 x 2,688 pixels (5.9 million pixels)
Image size	Automatic sizing up to 14 x 17 inch (35 x 43 cm)
Grid	Atachable (Canon CXDI grid)
A/D	14-bit
Grayscale	4,096 grayscale (12-bit)
Preview image acces time*	Approx. 3 seconds after X-ray exposure
Total image processing*	Approx. 20 seconds per image
Interface	DICOM 3.0, Ethernet 10/100 Base T
DICOM**	DICOM 3.0 compatible, Print Management Service Class (SCU), Storage Service Class (SCU), and others
Storage	Temporary storage available
Voltage	100V, 200V, 230/240V (50/60Hz)
Power consumption	Sensor unit: 300VA maximum
Operating enviroment	Sensor unit: 41 - 95°F (5 - 35°), 30 - 75% RH (non condensing)
Certification	FDA501(k), FCC Class A, UL 2601-1, EN60601, CE0197
Dimensions	Sensor unit (WxLxT): 19.3 x 18.8 x 0.9 inch (491 x 477 x 23 mm)
Weight	Sensor unit: 10.6 lbs. (4.8 kg)
Standard componets	Sensor unit, power box, remote switch, x-ray interface cable
OPTION	
Grid	Choice of 10:1 (180 cm), 6:1 (150 cm), 8:1, 4:1 (110 cm)
Software options	Please contact an authorized Canon dealer.

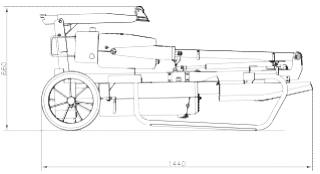
* Actual times may differ due to various factors
** Varies with system configuration

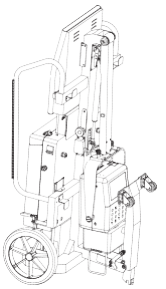
Specifications X-ray Unit

Generator Technology	High Frequency (300kHz)
Power Rating	4 kilowatts
X-ray Tube	Stationary Anode, 0.6 / 1.5mm
kV Range	40 - 115 kVp in 1 kV steps
mA Stations	5 - 100mA in 14 steps mAs
Range	0.1 - 200 mAs in 25% steps
Exposure Time Range	1ms - 10s
Anatomical Programming	Yes, intergrated within Canon DR software
Mains Power Reguirements	230 Vac, 13A, Single Phase









PORTABLE SPS–HF-4.0–D
DIGITAL SYSTEM

WEIGHT: 93 Kg