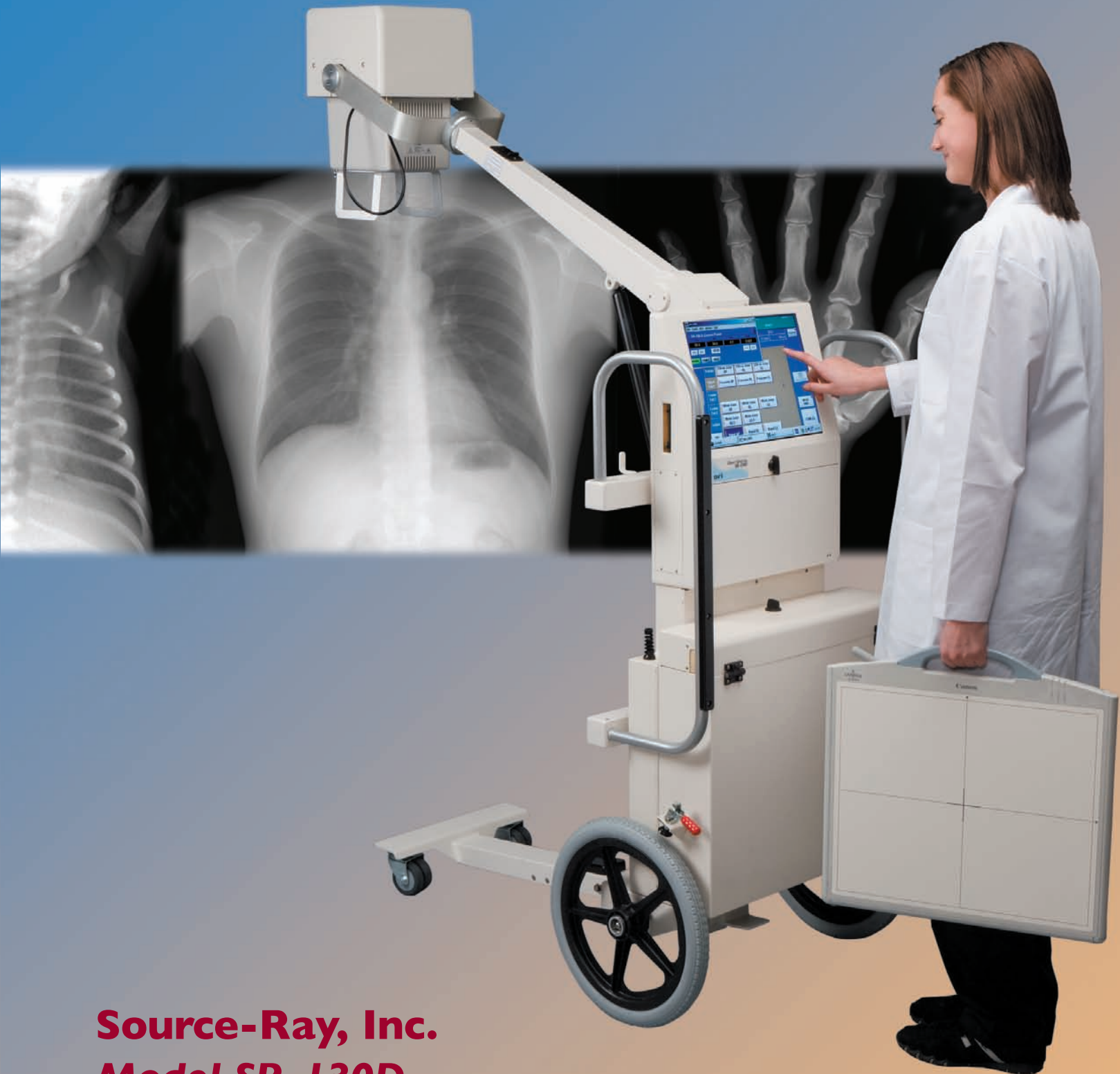


DIRECT DIGITAL PORTABLE X-RAY SYSTEM

sri
source-ray, inc.



Source-Ray, Inc.
Model SR-130D

SR-I30D PORTABLE DIGITAL IMAGING SOLUTIONS

The SR-I30D Direct Capture Digital Portable X-Ray system was designed for today's demands of general radiography, trauma and bedside care. The SR-I30D utilizes Canon Medical System's CXDI-50G large format 14" X 17" x-ray sensor panel.

Large Imaging Area

Convenient 14" x 17" Format



Compact Design

The **compact design** allows the SR-I30D to be used for a wide range of X-ray applications



Versatile Positioning

Once in place, the digital detector provides **high resolution digital images** that can be stored on disc or sent to an off-site radiologist for diagnostic clinical evaluation.



Protective Storage

Convenient storage box provides protection for the digital panel and grid adapter when not in use or **during transportation**.



The SR-I30D system has an *integrated touch screen computer* with integral keyboard for selecting *Anatomical Programming* or manual selection of x-ray techniques. It also provides the ability to export study lists to PACS systems for clinical history and follow-up exams. The SR-I30D is *DICOM 3 compatible*.

Easy Data Entry

Enter patient data using convenient **touch screen** panel

The screenshot shows a patient data entry screen. At the top, there are fields for Name (Becky Smythe), ID (214892358), and Sex (MALE, FEMALE, OTHER). Below these are fields for Accession No. (458237), Birth (Month 4, Day 22, Year 1958), and Age (47 Years Old). A virtual keyboard is displayed below the form, with buttons for letters, numbers, and special keys like Caps, Home, End, TAB, BS, and CANCEL. A mouse cursor is pointing at the CANCEL button.

Anatomical Programming

Select **Anatomical Region** of interest. Then **Anatomical View**.

The screenshot shows the Anatomical Programming screen. At the top, it displays Patient Name (Becky Smythe), ID (214892358), Sex (FEMALE), and Date (04.22.1958). Below this, there are fields for [Upper Ext.1]-[Hand AP], Grid, REX, and a CHANGE button. A large grid of anatomical regions is shown, including Humerus AP, Pelvis, Elbow Joint AP, Elbow Joint RL, Elbow Joint LL, Upper Ext.1, Forearm AP, Forearm RL, Forearm LL, Lower Ext.1, Wrist Joint AP, Wrist Joint RL, Wrist Joint LL, Lower Ext.2, Wrist Joint RLO, Wrist Joint LLO, Infant, Hand AP, Hand RL, and Hand LL. A mouse cursor is pointing at the Hand AP button. On the right side, there are buttons for MULTI VIEW, DESTL PREF., and CANCEL.

Fast Results

View Image immediately, **Magnify** or **Enhance** image with on-board tools.

The screenshot shows the Fast Results screen. On the left, there is a large X-ray image of a hand. To the right of the image, there are various adjustment tools including LUT, EDGE ENHANCE, DEP, POSITION, ANNOTATION, CORRECT PROC., BRIGHTNESS, and CONTRAST. A mouse cursor is pointing at the OK button at the bottom right. The bottom of the screen has buttons for ADJUST TRIM, MAG., OA-MAG., and RESET.

Manual Over-Ride

Over-Ride any pre-programmed technique easily and quickly.

The screenshot shows the Manual Over-Ride screen. At the top, there is a control panel with fields for kVp (50.0), mA (30.0), Time (0.7), and Time (0.023). Below these are buttons for READY, FAULT, and XRAY. A large grid of anatomical regions is shown, including Pelvis1, Elbow Joint AP, Elbow Joint RL, Elbow Joint LL, Upper Ext.1, Forearm AP, Forearm RL, Forearm LL, Lower Ext.1, Wrist Joint AP, Wrist Joint RL, Wrist Joint LL, Lower Ext.2, Wrist Joint RLO, Wrist Joint LLO, Infant, Hand AP, Hand RL, and Hand LL. A mouse cursor is pointing at the Hand AP button. On the right side, there are buttons for MULTI VIEW, DESTL PREF., and CANCEL.

The model SR-I30D brings digital radiography directly to the patient. With a portable sensor designed for patient comfort and quick access to images, the SR-I30D provides unmatched speed and efficiency for diagnosing even the most critically ill patients.

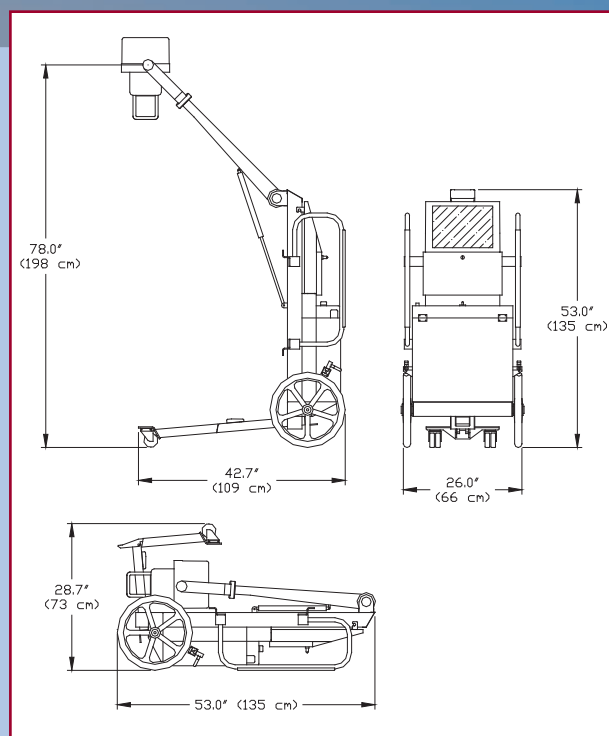
Digital Radiography

ELECTRICAL SPECIFICATIONS

Generator	HF resonant inverter – 3.0 kW 115/230 VAC 50/60 Hz 40 – 100 kVp, adjustable in 1 kV increments - closed loop regulation	Computer	RDP Health P4 2.0 GHZ 40 GB 15" TFT (Touch Screen) 10/100 Base T USB
Line Voltage		CPU	
kVp Range		Drive	
		Display	
		Ports	
mA Range	Fixed, 15 mA and 30 mA - closed loop regulation	Digital Panel Method	Canon CXDI Series Scintillator + Amorphous Silicon (a-Si)
mAs Range	0.15 - 120	Sensor	Amorphous Silicon (a-Si) Flat Panel Sensor
Exposure Time	0.01 – 4.00 seconds	Grid Application	Attachable (Canon CXDI grid) Portable
Indicators	Digital display of kVp, mAs and Time. X-Ray, Ready, mA Station and Fault indicators.	Pixels	2,208 x 2,688 pixels (5.9 million pixels)
Exposure Switch	Detachable two position switch	Image size	Automatic sizing up to 14 x17 inches
X-Ray Tube	Stationary Anode 100 kVp	Pixel pitch	160 x 160 microns
Filtration	2.7 mm al minimum	A/D	14-bit
Target Material	Tungsten	Grayscale	4,096 (12-bit) grayscale
Anode Capacity	30,000 HU Storage	Sensor Unit	(W x L x T) 19.3 x 19.9 x 0.9 inches, 10.6 lbs
Focal Spot	1.0 mm	System Weight	175 lbs / 79 kg
Target Angle	15°		
Collimator	Advantech R72/32-ET		
Tape Measure	SID Measurement		
Inclinometer	Angle Measurement		

OPTIONAL EQUIPMENT

Grid Adapter	Attachable (Canon CXDI grid) 8:1, 103 L, 110 cm focus
MDR Express	MDR Express records DICOM images (CD or DVD Format) in their original digital format, so there is no resolution loss. Installs a DICOM viewer application on each disc, allowing for easy image viewing.
Mobile Access	Saves images in DICOM-3 format and Station image encryption (HIPAA). Provides patient demographics to portable unit.
DR Image Viewer (Basic Workstation)	Features pixel-to-pixel display for viewing high-resolution life-size images in addition to multi-study viewing for quick comparisons with other DR exams
DR Image Viewer (Additional Viewing)	Allows software to be loaded on additional remote computers
DR Image Viewer (Stitching Application)	Application for stitching multiple images together



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