



Welcome!

*Model SR-130D
Direct Capture Digital
Product Overview*

Source-Ray, Inc.

Tel: 631-244-8200

Fax: 631-244-7464

50 Fleetwood Ct. Ronkonkoma, NY 11779



Who We ARE!

Source-Ray is a leading Developer, Manufacturer and Supplier of *Innovative Diagnostic Medical Imaging Equipment* for Healthcare Professionals.

Source-Ray's diverse line of conventional *Film Based, Computed Radiography* and *Direct Capture Digital* imaging equipment; address a broad range of clinical and technological innovations.



Our Mission

- **Cost Effective Diagnostic Imaging Tools.**
- **Customer Satisfaction & Continuous Improvement In Everything We Do.**
- ❖ **Designed And Manufactured With *Pride In The USA.***



Product Overview

- **The model SR-130D Direct Capture Digital Portable X-Ray System was designed for today's demands of *General Radiography, Trauma, and Patient Bedside Care.***
- **The *SR-130D* provides high power, state of the art technology, system reliability, and low maintenance all in a small footprint, lightweight package.**
- **The *SR-130D* reduces exam time - Each image is captured, viewable and verified in seconds by the X-Ray Technician, before leaving the patients bedside.**
- **The *SR-130D* is designed for high reliability and the durability required for Diagnostic Outreach Markets, that assure maximum uptime performance and low maintenance.**

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Digital Radiography

(Environmentally Friendly)

- **No Chemicals.**
- **No Darkroom.**
- **No Film Storage.**
- **No Silver Recovery.**
- **No Re-Takes.**
- **HIPAA Compliant Image Storage**



Digital X-Ray System

(Field Deployable)

Direct Capture Digital Portable

Model: SR-130D

- **14 x 17 Digital Panel (CXDI-55G)**
- **Onboard Computer**
- **15' Touch Screen**
- **Network & USB Connections**
- **160 Micron Resolution**
- **Anatomical Programming**
- **DICOM 3 Compliant**
- **HIPAA Compliant Image Storage**
- **3 kW Output (100kVp / 30mA)**
- **FDA Certified**
- **3 Year Warranty**





Field Deployable Digital X-Ray System

***When INSTANT Results
Are A NECESSITY, Not
Just A Convenience!***

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Fully Integrated System

(No Set-Up Required)

**Always Ready
Easily Transported**



**Onboard Computer
& Panel Storage**





Patient Data Entry Screen

(Via Keyboard or Touch Screen)

NUM Name
ID
Accession No.
MALE FEMALE OTHER
Birth. . .
Age Years Old

q w e r t y u i o p
a s d f g h j k l
z x c v b n m . :
Caps Home End
TAB BS <- > CANCEL OK



Anatomical Programming

(Fully Automatic Generator Settings)

- **Body Part & Region of Interest is entered via the Onboard 15" computer touch screen**
- **Proper technique is automatically sent to the generator**
- *No Manual settings required*

The screenshot shows a software interface for anatomical programming. At the top, there are fields for 'NAME', 'SEX', 'BIRTH', and 'ID'. Below these are technical parameters: 'Bucky msec', 'Grid:', 'REX:', 'KV', 'mA', 'msec', 'mAs', and 'cm'. A 'CHANGE' button is located to the right of these parameters. The main area is a grid of buttons for selecting anatomical techniques, organized by body part: Skull1, Skull2, Skull3, Upper Ext., Lower Ext.1, Lower Ext.2, and Infant. A 'MULTI VIEW' button is on the right side of the grid. At the bottom right, there is a 'DESTI. PREF.' button and a timestamp '10/20/2004 15:03'.

PATIENT	NAME	SEX	BIRTH	ID	Grid: NO
					Enter Patient Data
					Bucky msec Grid: REX :
					KV mA msec mAs cm
					CHANGE
	Skull1	Skull AP	Skull PA	Skull RL	Skull LL
	Skull2	Skull Waters	Skull Towne	Skull Axial	Skull Tangent
	Skull3	Sella AP	Sella RL	Sella LL	Sella Towne
	Upper Ext.	Ear Stenvers	Ear Schuller	Ear AP(Internal auditory canal)	Ear Towne(Internal auditory canal)
	Lower Ext.1	Sinus PA	Sinus RL	Sinus LL	
	Lower Ext.2	Sinus Waters	Sinus Caldwell	Sinus Axial	
	Infant	Nasal Bone Harf Axis	Nasal Bone RL	Nasal Bone LL	



Exposure Generation Screen

- The exposure is prepped by depressing the Exposure Switch to the first position and signaled by the Ready Indicator.
- Instantaneous exposure is completed by depressing the exposure switch to the second position

The screenshot displays the Exposure Generation Screen with the following components:

- PATIENT** section: NAME, ID, SEX, BIRTH, Grid:NO, and Enter Patient Data.
- SYSTEM** section: Bucky msec, Grid:, REX:, kv, mA, msec, mAs, cm, and CHANGE button.
- Grid** section: A grid of exposure options including Skull1 (Skull AP, Skull PA, Skull RL, Skull LL), Skull2 (Skull Waters, Axial, Skull Tangent), Skull3 (Sella AP, Sella Towne), Upper Ext. (Ear Stenvers, Ear Schuller, Ear AP/Internal auditory canal, Ear Towne/Internal auditory canal), Lower Ext.1 (Sinus PA, Sinus RL, Sinus LL), Lower Ext.2 (Sinus Waters, Sinus Caldwell, Sinus Axial), and Infant (Nasal Bone Harf Axis, Nasal Bone RL, Nasal Bone LL).
- READY** indicator: A green box with 'READY' and 'Ok' text is overlaid on the grid.
- MULTI VIEW** and **DESTI. PREF.** buttons are located on the right side.
- CAS.** button is located on the left side.
- Footer**: 10/20/2004 15:09



Exposure Preview Screen

- The exposure is previewed on the screen within 3 seconds after the X-Ray Exposure is terminated.

The screenshot displays the Exposure Preview Screen interface. At the top, patient information includes a name 'john doe', gender 'MALE', and birth date '12.12.1945'. A 'PATIENT ID:777' is also shown. The time is '8:17 1:17' and the grid is 'Grid:NO'. A 'Check Image.' button is present. The central area shows an X-ray image of a hand, labeled 'Hand AP', with a 'Reject' button. Technical parameters are listed: '60kV', '30mA', '23msec', and '0.69mAs'. The exposure count is 'EXP : 145'. On the right, there are navigation buttons: '1 / 1', up and down arrows, a 'MULTI VIEW' button, and a 'DESTI. PREF.' button. At the bottom, there are 'QA' and 'RETAKE' buttons, and an 'OK' button. The date and time '04/04/2006 10:25' are shown in the bottom right corner.

QA Window Screen

(Image Enhancement Tools)

The image is enhanced via the onboard controls.

- **Brightness**
- **Contrast**
- **Trim (collimation)**
- **Magnification**





DR Image Viewer

(Patient Database)

DR Image Viewer

File View Action Setting Help

Search Condition1 Search Condition2 Search Condition3 Search Condition4 Search Condition5 Search Condition6 Search Condition7 Search Condition8 Search Condition9 Search C...

Search conditions Save Condition: Save

Extension Search Conditions

Search Patient Number: 3 Study Number: 3

Group Patient

Accession #	Patient ID	Patient Name	Study Date	Number of Study	Age	Birth Date	Sex	Study Description	Name of Physician(s) Reading Study
12	30631	Wendy Taylor	2006/10/0...	1	41	1965/04/16	M	comment1	
321	321	Canon Test	2006/10/0...	1	50	1956/06/06	O		
56	32321	Tsukasa Sako	2006/10/0...	1	38	1968/05/28	M	comment2this co...	

Study Date	Accession #	Study UID	Study Description	Number of Series	Name of Physician(s) Reading Study	Referring Physician's Name
2006/10/0...	56	1.2.392.20...	comment2this co...	4		

Series Number	Number of Image	Modality	Body Part	View position	Operator's Name	Station Name	Institution Name	Manufacturer Model Name
1	1	CR	CHEST	AP	greg	CUSA10357		CXDI
2	1	CR	SHOULD...	AP	greg	CUSA10357		CXDI
4	1	CR	FOOT	RLD	greg	CUSA10357		CXDI
6	1	CR	ANKLE	LL	greg	CUSA10357		CXDI



DR Image Viewer

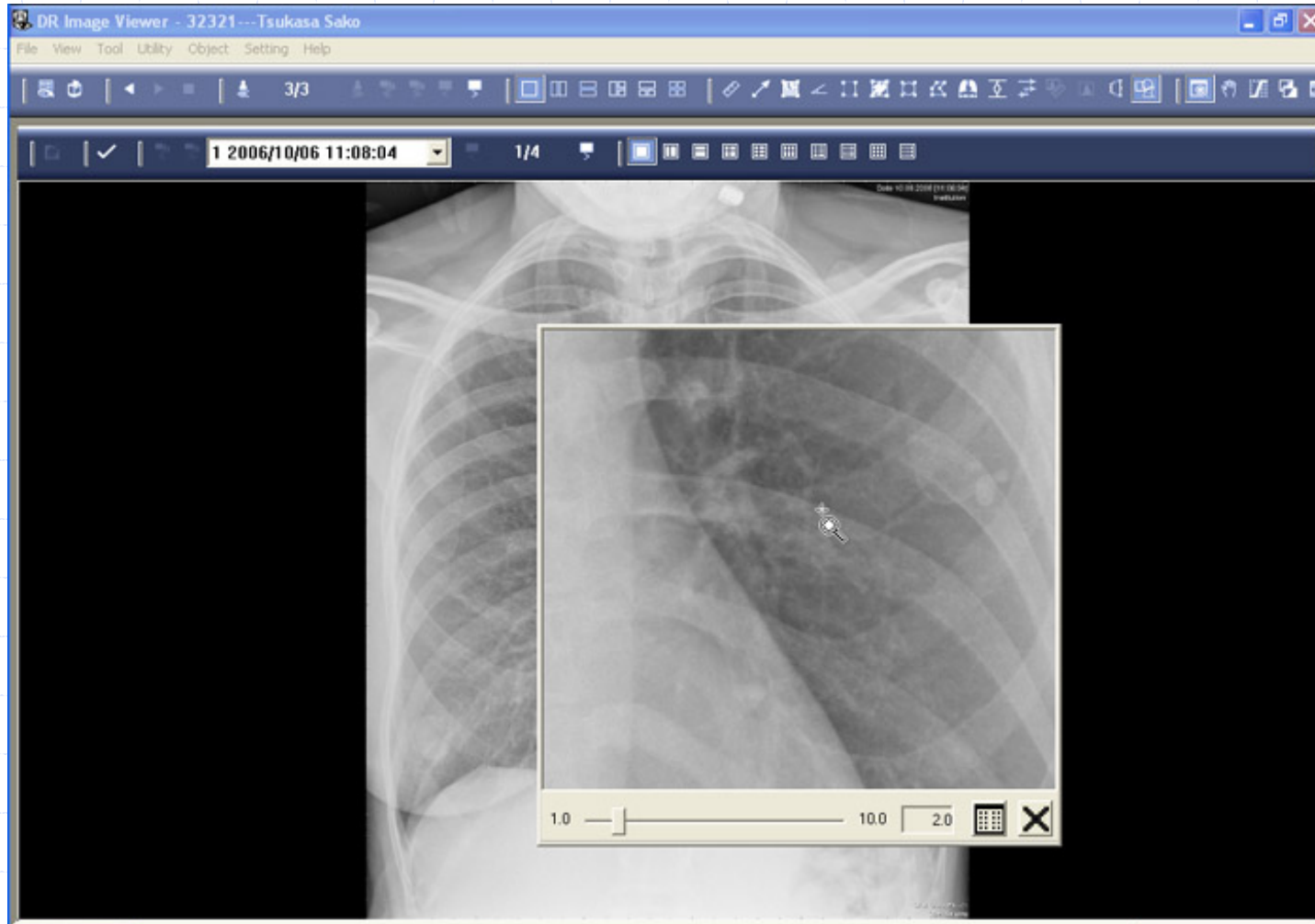
(Multi-Image View)





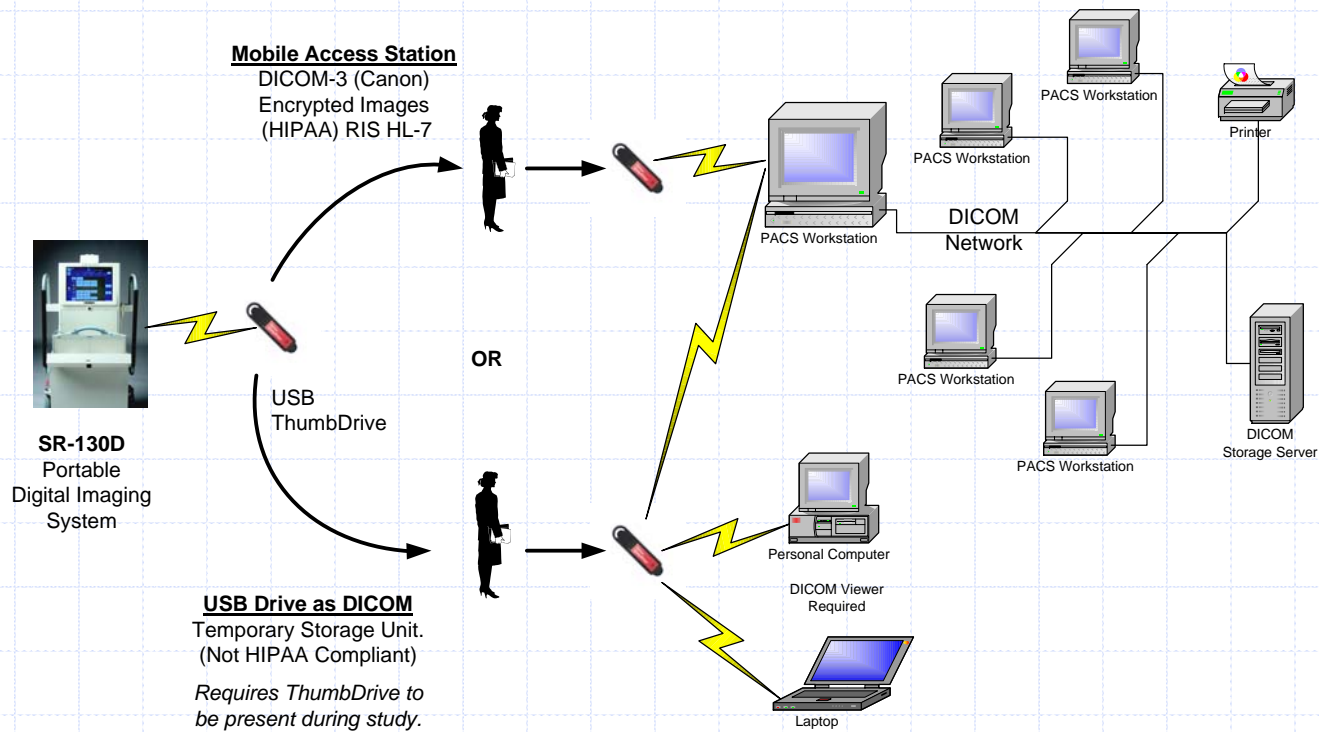
DR Image Viewer

(Magnification View)



DICOM Connectivity

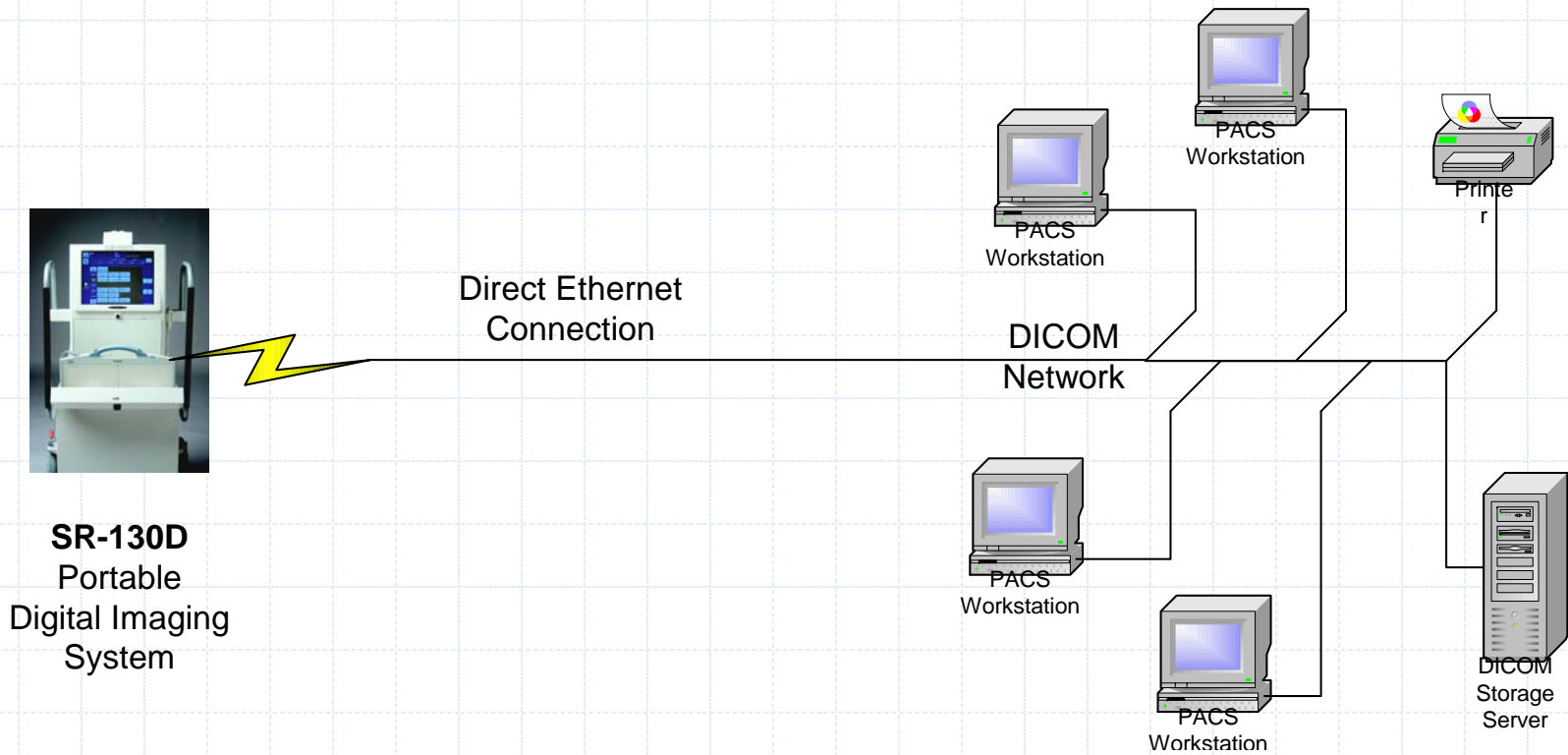
(Thumb Drive Options)





DICOM Connectivity

(Stand Alone Options)

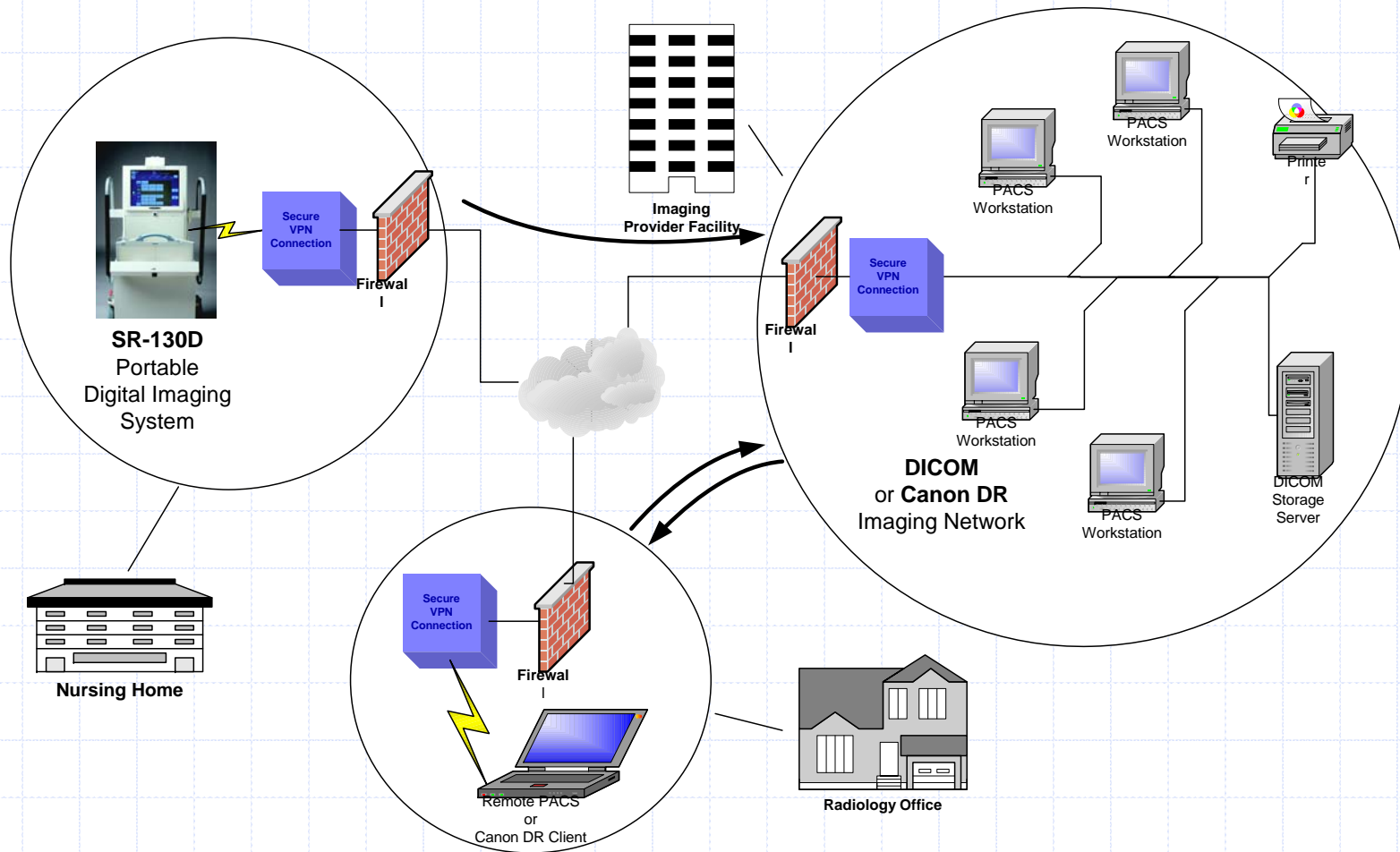


SR-130D
Portable
Digital Imaging
System



DICOM Connectivity

(Remote Access Options)





Model SR-130D Promotion

(Standard Configuration)

- SR-130D Digital Portable X-Ray System
- Canon CXDI-55G Digital Plate
- Canon Control Software
- Canon MLT Image Enhancement Software
- GA-130D Grid Adapter (8:1 103 Line)

Inquire About a No Obligation Quote