

iDR Long Bone™

Single Exposure Full Spine Imaging and Targeted Regional Scanning

The only system with a receptor
large enough to encompass
the entire anatomy



The iDR Long Bone™ is the only digital radiography solution capable of BOTH regional scanning and full-spine imaging studies. With a 17" x 51" field of use, the iDR Long Bone can replace or supplement your existing RAD room environment by giving you the ability to do all anatomy regions - neck and chest, full-torso, full-leg, and full-spine. Because the system takes a single image, you can leverage compensation filters to balance out the exposure between thicker and thinner areas of anatomy.

There is no need for multiple exposures, making the iDR Long Bone an ideal low-dose solution for applications such as scoliosis evaluation in the pediatric segment. Our proprietary algorithm eliminates the need for image stitching software, creating a full-spine image in one exposure without having to take three separate x-rays.

Low-dose, high-efficiency versatility makes the iDR Long Bone second to none in the DR market today. It's just another example of iCRco's evolution in the field of DR radiography.

CAPTURES ALL REGIONS

REGION 1

Neck and chest radiographs
with a 17" X 17" field of use

REGION 2

Targeted full-torso
radiographs

REGION 3

Targeted full-leg
radiographs

REGION 4

One shot, full-spine radiographs
with no image stitching

www.iCRcompany.com



iDR Long Bone™

Single Exposure Full Spine Imaging and Targeted Regional Scanning

iDR Long Bone Features

- Full-spine and long bone imaging in a single exposure
- Easy integration to any existing X-ray room
- No cassettes to handle
- One moving part
- Eliminates image stitching process
- Superior image processing software
- Diagnostic quality excellence
- Streamlines workflow

XC™ Features

- iDR Long Bone includes XC™ — intuitive touch screen capable acquisition software
- Smart scanning: manipulate acquired images while additional cassettes are being scanned
- ICE2 image processing: further manipulate images to your preference, automatically applies proper algorithms for an anatomy
- Smart search, sort, and filter options
- Integration with front office management systems like RIS and EMR
- Full set of annotation tools and templates
- User preferred settings and privileges

iDR Long Bone Specifications*

Micron Spot Size	Pixels Per mm	Dots Per Inch (DPI)	Line Pairs Per mm
200	5	127	2.5
100	10	254	5

Grayscale resolution	16 bits/pixel source file, 65536 shades of gray
Scanning	17" x 51" active area. 14" x 51" option
Configuration	Wall mounted, upright full-spine imaging
Weight	Approx. 100 lbs
Dimensions	W22.5" x D6.32" x H72.25"
Power source	100-240V AC/ 2.5A max; 47-63Hz (universal power supply) 24V option available
iSupply	24V portable DC power supply available, 270 scans on single charge
Heat generation	Standby 230W, Maximum 1610W
Operating conditions	Temperature; 0-40°C/32-105°F, temperature change: 0.5°C/min, humidity: 15%-95% RH, magnetic fields: max 1260 µT (in conformance with EN 61000-4-8: Level 3), 10 A/m

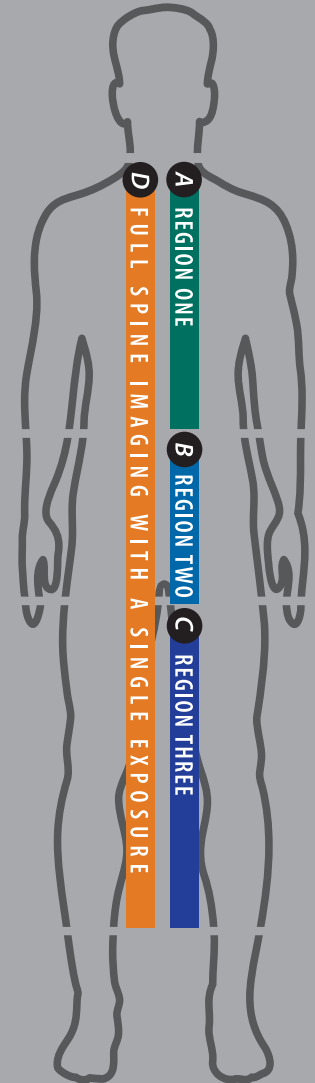
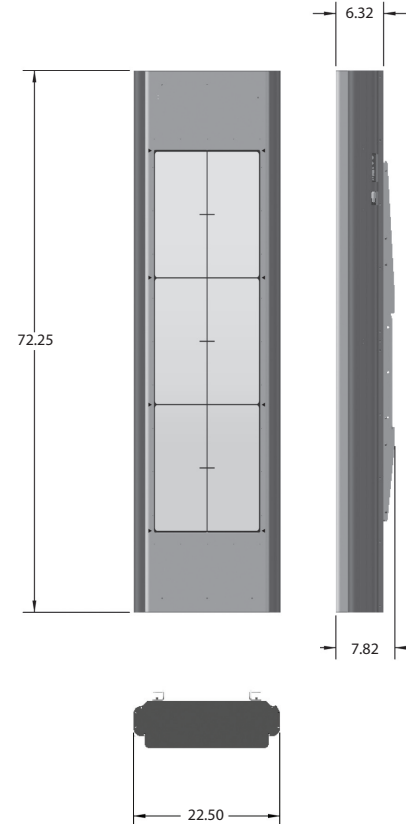
* Specifications are subject to change without notice. Processing and display time dependent on processor speed, RAM disk access time, and video card.



Components are made from 98% recyclable parts • iCRco is an ISO 13485 certified company • U.S. and international patents granted • Additional patents pending • FDA accepted • Medical CE mark CE 0086

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Outer Dimensions



FULL-SPINE IMAGING IN ONE 17" X 51" EXPOSURE

There is no need for image stitching with the iDR Long Bone. Simply select a full-spine region, or other regions of interest, and capture it all in a single exposure.



2580 WEST 237TH STREET, TORRANCE, CA 90505 | TEL: 310.921.9559 | FAX: 310.542.7236 | WWW.ICRCOMPANY.COM