

iDR34

Innovative Direct Radiography



✓ HIGHER RESOLUTION
✓ LOWER DOSE

IDR | 34

Image Capture Review

IMAGE

IDR | PROVEN DR READER

iDR 34 is a scalable design that allows for the highest efficiency Crystal IP phosphor screens, 16 Bit available gray scale, and upgradable features that provide users with up to 5 lp/mm maximum resolution.

CAPTURE

XC | ACQUISITION

XC touchscreen acquisition with ICE-3 Enhancement Processing provides all-new features including, "Image Display State" to ensure balanced presentation of both soft tissue, overlapping bone structures, and automatic analysis of image characteristics to optimize processing.

REVIEW

CLARITY PACS

Our fully web-enabled and integrated PACS solutions help transition your practice into a safe, secure, and filmless environment. Clarity PACS™ supports all your current and future imaging needs.



CAPTURES ALL REGIONS

REGION 1

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

REGION 2

Targeted full-torso or full-leg radiographs

REGIONS 1 & 2

One 17"x 34", long length spine radiographs with no image stitching

1 | Seamless Detector

2 | Scan Areas

16 | Bit Resolution

34 inch Active Area | Higher Resolution | Lower Dose

The iDR-34 is the only DR solution for BOTH regional scanning and long-length spinal imaging studies using 17"x34" detector. It gives you the ability to do all anatomy regions—neck and chest, full-torso, long-length, and spine—in your existing RAD room.

Physicians can achieve amazing workflow at a much lower cost with its integrated pairing with the robust and feature-rich image processing XC™ software. XC provides superior quality images every time with an option to further manipulate the images.



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TFSP
TRUE FLAT SCAN PATH



SPINAL IMAGING IN ONE EXPOSURE

iDR34, the only digital radiography solution capable of BOTH regional scanning and long length spinal imaging studies. With a 17"x34" field of use, the iDR34 can replace or supplement your existing RAD room environment by giving you the ability to do all anatomy regions - neck and chest, full-torso, long-length, and 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.

iDR-34 Specifications*

Micron Spot Size	Pixels Per mm	Dots Per Inch (DPI)	Line Pairs Per mm
200	5	127	2.5
155	7.5	163	3.7
100	10	254	5

THE IDR34 CAPTURES AT 15 MEGAPIXELS

Grayscale resolution	16 bits/pixel source file, 65536 shades of gray
Scanning	17" x 34" active area. 14" x 34" option
Configuration	Wall mounted, upright full-spine imaging
Weight	Approx. 75 lbs
Dimensions	iDR 17x34: W22.5" x D6.32" x H52.75" iDR 14x34: W19.5" x D6.32" x H52.75"
Power source	100-240V AC/ 2.5A max; 47-63Hz (universal power supply) 24V option available
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 510 (K) Cleared • Medical CE mark C€0086

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XC™ Acquisition Software Features

- XC - Intuitive touchscreen acquisition
- ICE-3 Processing - Automated image characteristics analysis for maximum image enhancement
- Image Display State: Automated enhancement of image display at the point of acquisition
- Smart search, sort, and filter options
- Integration with front office management systems like RIS and EMR
- Full set of annotation and measurement tools
- User-preferred settings and privileges

iDR 34 Outer Dimensions



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