

# iDR34

Innovative Direct Radiography



## 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.



| Image Capture Review

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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

<b>Grayscale resolution</b>	16 bits/pixel source file, 65536 shades of gray
<b>Scanning</b>	17" x 34" active area. 14" x 34" option
<b>Configuration</b>	Wall mounted, upright full-spine imaging
<b>Weight</b>	Approx. 75 lbs
<b>Dimensions</b>	iDR 17x34: W22.5" x D6.32" x H52.75" iDR 14x34: W19.5" x D6.32" x H52.75"
<b>Power source</b>	100-240V AC/ 2.5A max; 47-63Hz (universal power supply) 24V option available
<b>Heat generation</b>	Standby 230W, Maximum 1610W
<b>Operating conditions</b>	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



Detector available in  
14" x 34" or 17" x 34"

Also available with a  
Motorized Wall Stand



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