



**COMPUTED
RADIOGRAPHY
FOR EXTREMITIES**



Single moving part

**Dual bay
configuration**

**140-180
plates
per hour**



**(Shown with optional
barcode reader)**

**Simple touchscreen interface
and acquisition console**

A true flat scan path doubled equals redundancy.

The Extreme DB has a patented design that incorporates a true flat scan path, an ultra precise scan mechanism, and using protective cassettes, produces over 300,000 high resolution images per plate. The power of two independent scanners in a unified console brings you piece of mind by maximizing throughput and uptime.

The Extreme Dual Bay (DB) defines a whole new class in the arena of multi loader computed radiography (CR) solutions. Two separate CR reading modules allow for simultaneous scanning of two plates resulting in an ultra high throughput of up to 140 14" x 17" plates per hour. Both modules are based on the patented design that incorporates a True Flat Scan Path.™ Simply put, our imaging plates are affixed to a rigid back panel so that nothing ever touches the active phosphorus area of the plate, resulting in artifact free images throughout plate lifetime. Unlike most CR products, the Extreme DB uses no rollers to transport the two plates across the two scan heads.

The Extreme DB has been designed to be deployed in hospitals, orthopaedic facilities, and other environments where ultra high throughput is needed. Enjoy the advantages of a multi loader system for the price of a single plate scan CR.

KEY ITEMS

- Premium CR solution
- 140-180 plates per hour
- Patented one true flat scan path
- Low cost of ownership
- Advanced image processing
- 12-month warranty on equipment and cassettes
- **36-month warranty on imaging plates**
- Reina QPC XSCAN32 software
- EDGE high fidelity multi scale image processing
- Interactive and automatic image processing

Reina Imaging has been a leader in bringing computed radiography to diagnostic imaging for years, continuing our mission to "improve the image of x-ray technology."



Reina Imaging's full range of CR solutions are designed to grow and adapt to the evolving medical imaging environment.

From image acquisition, digitizing and image quality control to processing and teleradiography, Reina Imaging offers everything your practice needs to achieve a streamlined, cost-effective workflow.

Since 1978 Reina Imaging has remained dedicated to its mission: Improving the image of x-ray technology.

Optimal images



EXTREME DB SPECIFICATIONS

GRAYSCALE RESOLUTION:
16 bits/pixel source file, 65000 shades of gray

AUTOMATIC ERASING

AUTOMATIC CASSETTE HANDLING

DIMENSIONS:
31"W x 50"H x 48"L inches
78.7"W x 127"H x 121.9"L centimeters

WEIGHT:
Approx. 165 lbs.

POWER:
100-240 V AC/2.5A max: 47-63 Hz

IMAGING PLATE SIZES:

- 14" x 17" (35 x 43 cm)
- 10" x 12" (24 x 30 cm)
- 8" x 10" (18 x 24 cm)

Odd plate sizes accepted and flexible plates scanned using Flex-scan cassette system (patent pending)

ENVIRONMENTAL CONDITIONS:
Temperature: 0-40 C/32-105 F

- Temperature change: 0.5 C/min.
- Humidity: 15%-95% RH
- Magnetic fields: max. 1260 μ T (in conformance with EN61000-4-8; level 3), 10 A/m

HEAT DISSIPATION:
Standby 230W, Maximum 1610W

COMPUTER CONFIGURATION:

- Pentium, 4 class device
- 250 GB HD, 1 GB RAM
- Windows 2000 or XP
- Modem, NIC card, CDR-W
- USB 2 high speed interface

SCAN TIME:

- 180 plates per hour mixed cassette sizes
- 140 plates per hour 14" x 17" cassettes only
- 40 second access time per bay
- 52 seconds 14" x 17" at 200 micron spot size

MICRONS DEPENDENT ON:

Processor speed, RAM disk access time, video card

OTHER FEATURES:

- Integrated eraser
- Variable erase time selectable
- Scanning and erasing in one step, ultra high throughput
- Single internal moving part
- Precision rack and pinion drive system
- High resolution and standard resolution selectable scanning parameters
- True Flat Scan Path™
- No plate damage/wear during scan process

APPROVALS:

- U.S. and international patents granted, additional patents pending
- Medical CE compliant

SAFETY STANDARD:

FDA approved/CE approved



6107 West Lou Ave.
Crystal Lake, IL 60014
866.734.6234
Fax 815.823.0227
www.reinadigital.com
Since 1978

Improving the image of x-ray technology