



KONICA MINOLTA

X P R E S S C R

# XPRESS CR

*REGIUS Family of  
Computed Radiography*



The essentials of imaging

# Xpress

## Innovation for Simple Versatility

Designed to meet a wide range of workflow requirements, Konica Minolta's Xpress CR System offers the footprint of a single-bay unit, the workflow of a dual bay model and the performance of a multi-bay CR system. For clinics, ICU/CCU or remote imaging centers, the Xpress CR system delivers the highest performance for 2-view exams with its unique 2nd plate insertion feature. When meeting demands of high-volume departments or imaging centers, two Xpress CR systems can be networked to create a multi-processor, multi-bay solution. Truly scalable, Xpress CR offers unsurpassed performance in throughput, redundancy, and workload balancing.

Ask your Konica Minolta sales consultant today to find out how Xpress CR and the REGIUS Family of CR products can dramatically improve your workflow and return on investment.

## Durable Technology

- Simple optical-mechanical design with intelligent sensors for reliable performance.
- Modular network configuration allows for efficient redundancy.
- The world's only user-operated Cassette Release Key that allows rapid recovery and optimal system uptime.
- Contact-free and rigid plates designed for extended lifetime.



Operational panel with LCD information display.



Two year plate warranty with unlimited exposures.



Cassettes in.



Cassettes out.

## Image Quality You Can Trust

### Better X-Ray Absorption For Better Images

The REGIUS family of CR products employs the most advanced CR detector technology — BaF1:Eu — which yields the highest Detective Quantum Efficiency (DQE) in the industry. REGIUS plate's high X-Ray absorption means less granularity and greater sharpness in the images.

### Hybrid Processing

Get the best image quality with detail enhancement but without the noise! Hybrid Processing divides an image into multiple frequency bands and makes detailed enhancements for each band to produce a well-balanced reconstruction for different body parts on the image. Radiologists will see a more natural and well contrasted and sharpened image without unwanted noise and artifacts.

### One Plate, Two Resolutions

With selectable sampling pitch of 87.5 $\mu$ m and 175 $\mu$ m, the REGIUS family of CR products delivers optimal resolution for diagnostic-quality images. Demands in versatile clinical applications are easily met with only one plate required for either a standard resolution or high resolution image.



## Simple Innovation

- Automated software functions, coupled with a simple user interface, shorten the learning curve, as well as the time to perform each procedure.
- Unique Second Plate Insertion feature frees technologist to attend to patients.
- Fast! A single-view 14x17 exam is ready for image check in 26 seconds and a two-view exam in 70 seconds for better quality of patient care and increased patient throughput.
- Generous output bay holds up to four cassettes, minimizing cassette handling and saving technologist time.
- Any-reader-any-time feature optimizes reader utilization yet still allows all images for review at one control station.

## Options & Accessories

- Choose from Class I, Class I Premium, Class II, Class II Premium, depending on budgetary and workflow requirement.
- Long Length Cassette Kit includes: one 14x42 cassette, three 14x14 cassette and plate assemblies, one 14x42 cassette holder with built-in grid.
- Patient Demographic Barcode Reader.
- Grids of various sizes and specifications.
- Cart and wall mount apparatus for the control station.
- Xpress PDA for portable applications.
- REGIUS QA Guidelines and Phantom Kit.



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## Xpress CR Reader Specifications\*

<b>Cycle Time</b>	40 seconds (14" x 14")
<b>Image Preview</b>	24 seconds (14" x 14")
<b>Plate Throughput</b>	90 plates an hour (14" x 14")
<b>Sample Pitch</b>	175.0µm standard; 87.5µm high resolution
<b>Resolution</b>	4020 x 4892 (14" x 17")
<b>Grayscale Output</b>	4096 (12 bits)
<b>Cassette Sizes</b>	14" x 17", 14" x 14", 11" x 14", 10" x 12", 8" x 10", 24 x 30cm
<b>Weight</b>	374 lbs.
<b>Dimensions</b>	W23" x D23" x H48"
<b>Power Source</b>	AC 100–240V ±10% (50/60 Hz)
<b>Heat Generation</b>	1.1kW or 1,232 BTU
<b>Operating Conditions</b>	Temperature: 59 – 86°F Humidity: 40% – 80% (non condensing)

\*Specifications are subject to change without notice.

## CR Control Station Specifications\*

<b>DICOM Services</b>	DICOM Storage (CR/DX SCU) DICOM Print SCU DICOM Modality Worklist SCU Grayscale Standard Display Function SCU DICOM Modality Performed Procedure Step SCU DICOM Storage Commitment SCU
<b>Image Input</b>	Supports REGIUS 350 Upright Reader, and Xpress CR (up to 8 Xpress plus 1 REGIUS 350)
<b>Image Output</b>	Up to 3 DICOM Store Plus 1 Backup (1 provided standard) Up to 2 DICOM Print Plus 1 Backup (1 provided standard)
<b>Image Processing</b>	Automatic Gradation Processing (G processing) Frequency Processing (F processing) Equalization Processing (E processing) Hybrid Processing (H processing, Optional)
<b>Image Storage Capacity</b>	Approx. 20 GB, or up to 10,000 images
<b>Dimensions</b>	PC: 7.2"(W) x 15.8"(D) x 14.5"(H) Touch Screen: 15.5"(W) x 2.6"(D) x 12.8"(H)
<b>Weight</b>	PC: 25 lbs.; Touch Screen: 11 lbs.
<b>Power Source</b>	PC: AC 100–240V; 50/60 Hz Touch Screen: AC 100–240V; 50/60 Hz
<b>Heat Generation</b>	PC: Approx. 250 Watts or 427 BTU Touch Screen: 100 Watts or 171 BTU
<b>Operating Conditions</b>	Temperature: 59 – 86°F Humidity: 40% – 80% (non condensing)

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## Konicare Technical & Professional Service



Xpress CR is backed by a 12-month warranty and a 2-year warranty on the plate!

As a world-class organization, Konica Minolta Medical Imaging provides service and support that is second to none. Our teams of professional service experts are available to you 24 hours a day, seven days a week, to ensure that your business always runs at peak performance. To help meet the specific needs of customers coast to coast, Konica Minolta Medical Imaging has established the Konicare Technical and Professional Services organization.

Konicare consists of people and programs dedicated to optimizing efficiency and productivity within your department. Our professionals are divided into such groups as Application Specialists, Project Managers, Technical Support Specialists and Field Service Representatives. Our programs include Remote Technical Support, Clinical Applications, Project Management, System Integration, System Administration Training and Network/Integration Services.

The Konicare program is designed for maximum flexibility to meet every technological and management need at busy radiology departments. We can customize a program for any facility and any budget, making optimum use of all available resources for the best possible patient care.



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