



KONICA MINOLTA



X-press

Computed Radiography

The essentials of imaging

Xpress CR

High-Capacity, Modular, CR Solutions

Performance...Reliability...Ease-of-Use

Widely recognized as the optimum combination of quality, performance and value in the industry, Xpress CR represents computed radiography innovation at its best. The modular design of Xpress CR allows the greatest flexibility in custom configurations providing true workflow improvements in any environment. Xpress CR systems are relied upon to handle any workload from high-volume Main Radiology departments to Emergency Services, Intensive Care, Surgery and Clinics. As a critical component of your overall digital imaging strategy you can count on Xpress CR to deliver reliable performance with the exceptional image quality you have come to expect from Konica Minolta.





A New Compact, High-Performance Design

Utilizing a unique dual bay design, the high speed REGIUS Model 190 Xpress CR reader processes up to 123 plates per hour for maximum performance. This next generation reader radically improves workflow all within a mere 23 x 23 inch footprint.

Image Quality You Can Trust

Hybrid Image Processing

Get the best image quality detail enhancement while minimizing “noise”! Konica Minolta’s patented Hybrid multi-frequency image processing further enhances the visualization of detailed structures while maintaining a “natural” looking image.

■ 43.75µm Read Function

(General Examination) (Special Applications)

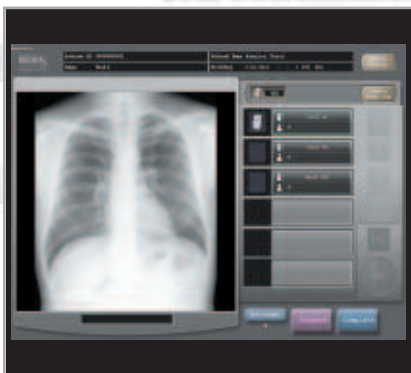
87.5/175µm 43.75µm

Super High Resolution

In addition to standard and high resolution modes, the REGIUS Model 190 is capable of supporting a new 43.75 µm read function for special extremity work and mammography*. This function is invaluable for producing diagnostic quality images where recognition of subtle pathological changes is essential.

Outstanding Reliability

Utilizing the same technology found in other high duty cycle systems, the Xpress CR is a very stable platform featuring minimal moving parts and zero mechanical interaction with the imaging plate. In fact these systems are so reliable, we extend a full two year warranty on the image plates.



A New Standard in User Interface

Highly regarded for intuitiveness and simplicity, the Xpress CR Control Station provides all the flexibility and control needed to create your ideal workflow environment.



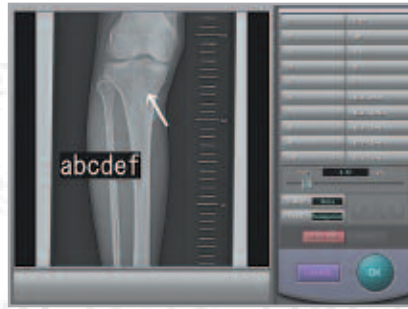
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*Pending FDA Approval

Standard Innovation

Free Text Annotation

Allows the user to create and place annotations anywhere on the image. These annotations are saved as part of the image for printing or DICOM storage.



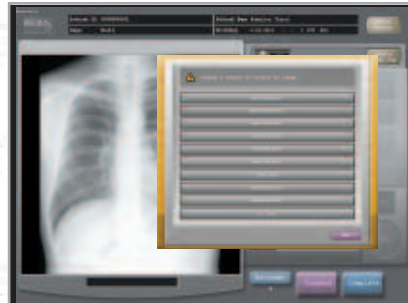
Super User Interface

Allows modification of processing parameters to reflect your departmental imaging protocols. Operation is highly visually oriented with simple sliders and familiar "Drag and Drop" functions.



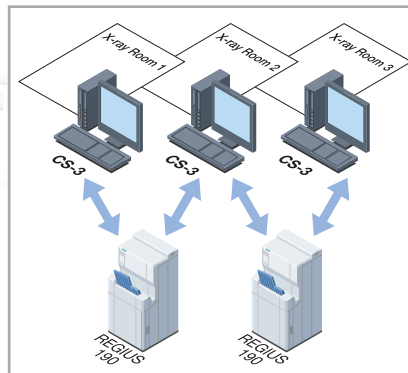
Reject Reason Tracking

User definable rejected image reasons allow administrative tracking of trends for proactive correction.



"Any Reader Any Time" Resource Sharing Option

Images are always displayed on the control station where the plate is registered. This maximizes reader utilization and allows very fast examination turn around times.

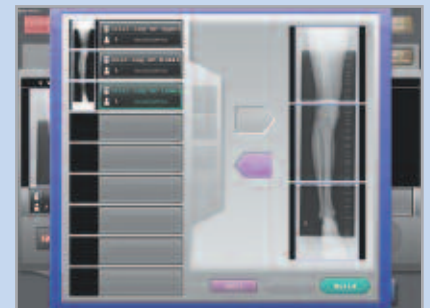


Clinical Expansion Options



Xpress Portable Assistant (XPA)

Enhances productivity by allowing cassettes to be registered at the point of patient care. The XPA can download and store a patient worklist from the Xpress Control Station and perform the cassette association via a built-in barcode reader. This is especially useful in an environment where patients are remote from the Xpress Computed Radiography system.



Xpress Digital Image Stitching

Important for applications such as Scoliosis and other long length bone studies, this option enables the acquisition of multiple images from a single exposure and allows electronic "stitching" to form a single image. The image can then be used in applications where bone measurements are made.



Xpress Control Station

Highly regarded for its intuitiveness and simplicity, the Xpress CR Control Station touchscreen provides the flexibility in operation required for customized workflow. Context driven screen navigation allows quick examination completion with a few simple steps.



Xpress CR Reader Specifications*

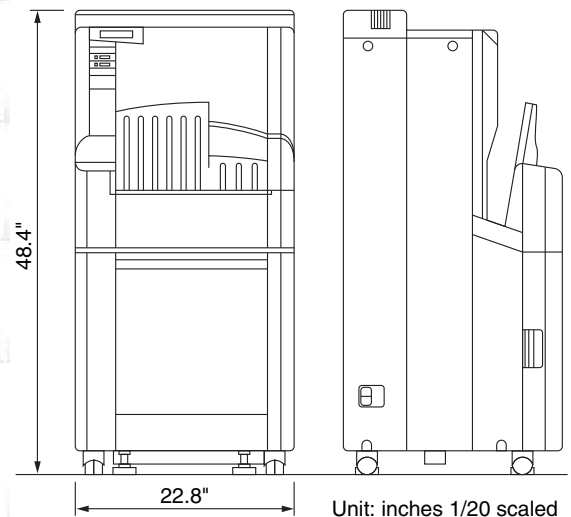
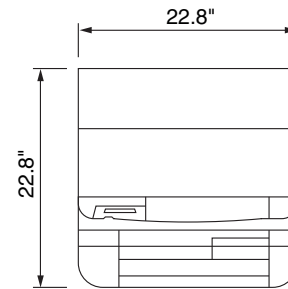
Cycle Time	40 seconds (14" x 14")
Image Preview	24 seconds (14" x 14")
Plate Throughput	90 plates an hour (14" x 14")
Sample Pitch	175.0µm standard; 87.5µm high resolution; 43.75µm super high resolution
Resolution	4020 x 4892 (14" x 17")
Grayscale Output	4096 (or 12 bits)
Cassette Sizes	14" x 17", 14" x 14", 11" x 14", 10" x 12", 8" x 10", 24 x 30cm
Weight	374 lbs.
Dimensions	W23" x D23" x H48"
Power Source	AC 100–240V ±10% (50/60 Hz)
Heat Generation	1.1kW or 1,232 BTU
Operating Conditions	Temperature: 15°C – 30°C Humidity: 40% – 80% (non condensing)

*Specifications are subject to change without notice.

CR Control Station Specifications*

DICOM Services	DICOM Storage (CR/DX SCU) DICOM Print SCU DICOM Modality Worklist SCU DICOM Grayscale Standard Display Function SCU DICOM Modality Performed Procedure Step SCU DICOM Storage Commitment SCU
Image Input	Supports REGIUS 370 Upright Reader, and Xpress CR (up to 8 Xpress plus 1 REGIUS 370)
Image Output	Up to 3 DICOM Store Plus 1 Backup Up to 2 DICOM Print Plus 1 Backup
Image Processing	Automatic Gradation Processing (G processing) Frequency Processing (F processing) Equalization Processing (E processing) Hybrid Processing (H processing, Optional)
Image Storage Capacity	Approx. 5,000 Images
Dimensions	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)
Weight	PC: 25 lbs.; Touch Screen: 11 lbs.
Power Source	PC: AC 100–240V; 50/60 Hz Touch Screen: AC 100–240V; 50/60 Hz
Heat Generation	PC: Approx. 250 Watts or 427 BTU Touch Screen: 100 Watts or 171 BTU
Operating Conditions	Temperature: 15°C – 30°C Humidity: 40% – 80% (non condensing)

*Specifications are subject to change without notice.



Konicare Customer Satisfaction

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

At Konica Minolta, complete customer satisfaction is our goal. That is why we created Konicare. The Konicare program encompasses all aspects of customer oriented activities from installation management and clinical applications training to remote technical support and Biomedical training.

It makes good sense to protect your investment in mission critical medical imaging devices. Konicare's broad range of Customer Satisfaction Agreements enable you to select the coverage that best fits your need.



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KONICA MINOLTA MEDICAL IMAGING USA, INC.
411 NEWARK POMPTON TURNPIKE
WAYNE, NJ 07470
TEL: (973) 633-1500 FAX: (973) 523-7408
WEBSITE: medical.konicaminolta.us