

REGIUS™ - IM

*The REGIUS
Image Manager
For Centralized
Workflow and
Improved
Image Quality*





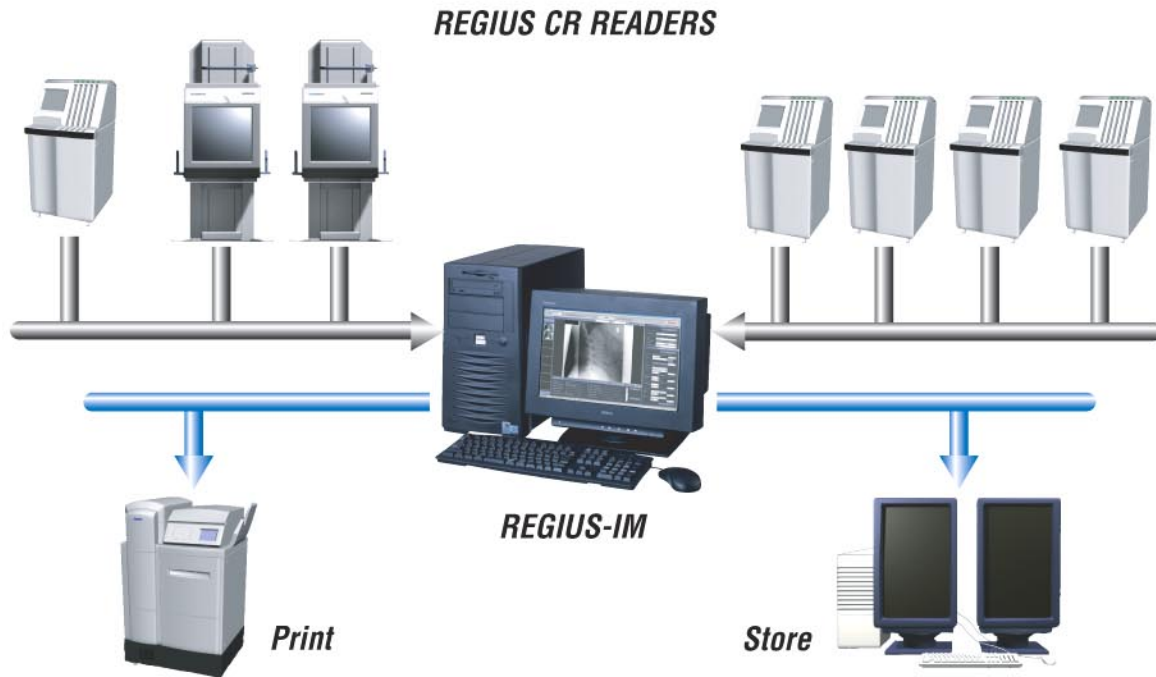
Introducing the new REGIUS Image Manager!

The REGIUS-IM is an addition to the successful Konica REGIUS CR product line. It is quite often that Radiology workflow is dictated by a vendor product, which can not only limit your ability to operate your business to your own unique demands, yet can raise the frustration levels of the support personnel. The REGIUS-IM enables a multi-functional approach to Computed Radiography operations. More specific examples are:

1. Centralized CR image quality control
2. Patient throughput optimization via off-loaded processing from various CR readers
3. Technologist review and audit
4. Key processing for specialized exams
5. Totally automated processing for hands-off operation
6. Centralized workflow device for dispersed reader environments (Off-site, Extra-departmental, and others)
7. HIS/RIS patient status updates
8. Demographic error correction
9. Many more!

These examples are but a few of the highly sensitive clinical scenarios facing General Radiology exams today. Computed Radiography via the REGIUS CR Product Line can enhance your throughput and productivity, yet the REGIUS-IM can now excel your strategic path.

In this example, note the strategic placement of the REGIUS-IM where consistency can be maintained for the enterprise through this control device, however, back-up scenarios allow for a non-critical dependency. In the case of multiple CR systems, this REGIUS-IM is well placed to aptly handle the workload; however an additional REGIUS-IM device can be added with additional CR units or increase in procedural volumes. By strategically placing the RIM within your network, the exposure to this device can increase the throughput and flexibility you need, while simultaneously improving upon the image quality from conventional film/screen film environments.



Connectivity

The success of any product is the ability to communicate with other devices. This connectivity is used to exchange data in formats acceptable to the devices communicating. Using the DICOM standards, the REGIUS-IM can communicate with Workstations, Archives, and Hospital Information/ Radiology Information Systems. This connectivity allows for:

- Storing Data to Workstations/Archive (DICOM Store)
- Printing Data to Printers (i.e. DRYPRO series) (DICOM Print)
- HIS/RIS Demographic/Procedural Data (DICOM Modality Worklist)
- Patient Study Status (DICOM Modality Performed Procedure Step)
- Consistent Image Quality for Softcopy/ Hardcopy (DICOM Grayscale Standard Display Function and Grayscale Softcopy Presentation State)

In addition to using DICOM native connectivity, the REGIUS-IM can also respect the REGIUS CR protocol to allow for complete re-processing of a study following completion during peak workload volumes. Some examples of the REGIUS CR protocol processing factors that can be altered include:

- Frequency Processing- Used to enhance the 'edge' of structures within the image
- Equalization Processing- Used to balance areas of over penetration and areas of under penetration to visualize discrete structures.
- Exam Tags
- Patient Demographic Data
- Look-up-Table selection
- Many more!



The 'Gateway' to Image Quality Workflow

Across the country, many facilities have perfected the way images are acquired and processed in traditional film/screen operations. This continues to exist due to the absence of a product that can mirror that traditional workflow today. The goal is to mirror your current operations and ease the burden with increased configurability and adaptation to your workflow. Whether it is centrally managing the image quality parameters of your REGIUS CR units or controlling distribution points and communication, the REGIUS-IM possesses configurability to work as you do.

Graphical User Interface (GUI)

The REGIUS-IM has a simple and familiar, yet configurable GUI for ease of use to exact faster processing and clinical acceptance. The user, once logged on, can configure the layout to her or his preferences. In addition to simple short-cuts and pop-up help notes, the use of the on-line help guide means an answer is never far away.

The superior connectivity and functionality makes the REGIUS-IM the most advanced Image Processing station available on the market. General Radiography exams can comprise more than 70% of the procedures performed in many institutions today, would you trust your 'image' to scaled down technologies with minimal flexibility? The REGIUS-IM can provide the maximum flexibility to meet your demands, yet respect the sensitivities of cost and clinical use. Call Konica today!

Specifications

Main Unit: REGIUS Image Management - REGIUS-IM

Input Device	REGIUS Model 150/350 (maximum 8)
Output Device/Protocol	DICOM Storage Class Compliant SCP device DICOM Print Class Compliant SCP device
Network Environment	100 Base-TX 2 Port Ethernet
Patient Search Protocol	DICOM Basic Modality Worklist
Connectivity	Up to 19 connected Devices (8 Store/ 8 Print (2 channel recommended) / 1 MWL)
Image Capacity	30GB
Operation	Keyboard / Mouse
Transmission Control	Multi-destination; Auto-Confirm; Priority Setting Capable
Editing	Multi-format; Trimming; Annotation, Others
Processing	Preset processing via condition keys; Processing Parameters
Patient Information Search	Search by Patient Name, Patient ID, Accession Number, Modality, others
Dimensions (Standard) (W x H x D)	Host PC W8.7" x H19.2" x D17.7" (39 lbs) Monitor W19.6" x H19.3" x D18.8" (70 lbs) UPS W6.1" x H16.5" x D14.4" (55 lbs)
Power	AC 110V +/- 10% 50/60Hz
Environmental Conditions	50 - 95°F, 20 - 80% Humidity
Monitor	19" CRT Display (1200x1600)
Accessories	Uninterruptible Power Supply; Remote Management/Service Software; Disk Management Software

The above specs subject to change without prior notice in order to maintain optimal performance of the REGIUS-IM.

Service and Support

Our National Technical Service Support System consists of Digital Product Specialists, Imaging Consultants, Technical Support Specialists and Field Service Representatives. Our Digital Product Specialists are experienced in planning electronic and digital imaging solutions and can help you customize a system that maximizes your facility's resources. Our Imaging Consultants are dedicated professionals who provide end user applications training and help you to optimize image quality. Our Technical Support Specialists provide critical phone assistance for your every service need. Our Field Service Representatives provide nationwide technical and service assistance 24 hours a day, 7 days a week. Our field service support team also offers site-planning assistance.



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