KONICA MINOLTA

NANO CR
The Enterprise Solution

The essentials of imaging

NANO CR

The Enterprise Solution

Runs fast…
Easy to use…
Doesn't break!

Who says CR technology has to be complicated? At Konica Minolta, our innovative technology is designed to make your job easier. The REGIUS NANO CR does just that! It is a high performance single bay CR system that can process up to 76 plates an hour (14" x 17") for fast patient turnaround time and improved workflow. Its touch screen control station provides intuitive software tools for generating superior image quality with a few easy steps. This compact, single bay reader is designed with dependable, high quality components to ensure system reliability.

Nano CR will satisfy a broad range of needs from those of a large hospital facility or imaging center, to that of a stand-alone clinic or surgery center. Whether it is networked with another Nano CR, an Xpress CR, or the REGIUS DR system, Nano CR delivers speed, workflow, and redundancy.

Dual reader orientation option for customized space utilization

KONICA MINOLTA

Innovation

- **Linear Motor Technology…** for a smooth plate transport mechanism
- **Hybrid Processing…** a patented Konica Minolta innovation that divides an image into multiple frequency bands ultimately producing a more natural looking image with less noise and artifacts.
- **Two Resolutions…** in addition to the standard resolution, Nano CR is capable of a high resolution of 87.5 μm which produces diagnostic quality images where recognition of subtle pathological changes is essential, such as special extremity and pediatric applications.
- **Any Reader Any Time…** images are always displayed on the control station where the plate is registered. This maximizes turnaround times.
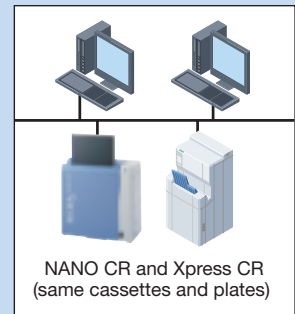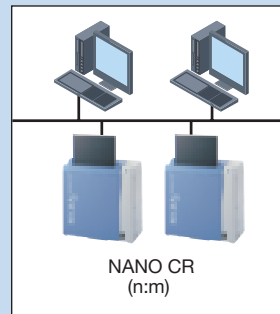

Continuous operations guaranteed with cassette release handle that allows user access to remove a jammed cassette

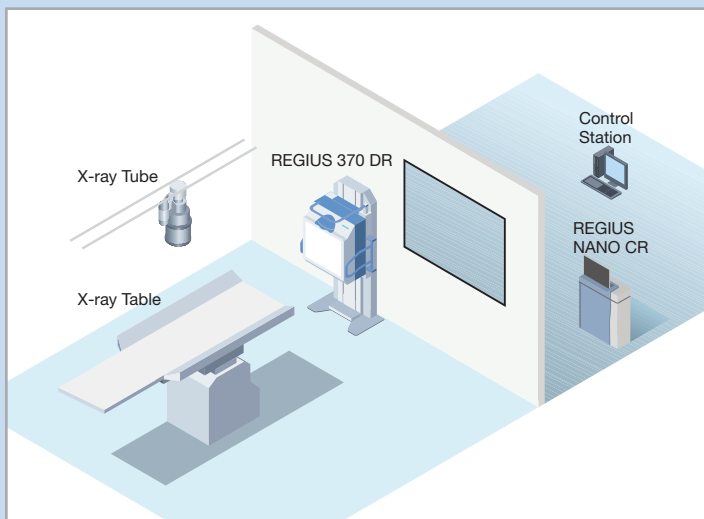*Optical unit sweeper enables self-maintenance for pristine image quality and longer product lifetime*

Networking Capability

- Nano CR is a modular and scalable solution that supports maximum resource utilization.
- Nano CR provides flexible configuration options. It's capable of networking with additional units in order to meet your specific workflow needs, as well as provide optimal support for true redundancy.
- With its consistent user interface you'll be able to choose between an additional Nano CR or an Xpress CR if more capacity is required.
- One cassette & plate design will support both Nano CR and Xpress CR.

NANO CR
(n:m)

NANO CR and Xpress CR
(same cassettes and plates)

The REGIUS Suite
Networking Capability to the REGIUS 370 Digital Radiography System

Control Station

X-ray Tube

REGIUS 370 DR

X-ray Table

REGIUS NANO CR

The REGIUS Suite includes:

- The REGIUS 370 Upright Digital Radiography System
- The Nano CR single plate reader
- The REGIUS Control Station for easy operation with both readers

The REGIUS 370 DR supports all upright exams, while the Nano CR supports any exam that requires the use of a table.

Together, the capabilities of the REGIUS 370 DR and the Nano CR create a total in room digital solution that supports all radiological exam needs.

Ultimately, the REGIUS Suite utilizes the existing equipment to enable quality and affordable digital radiography for your high volume rooms.

Nano CR Reader Specifications*

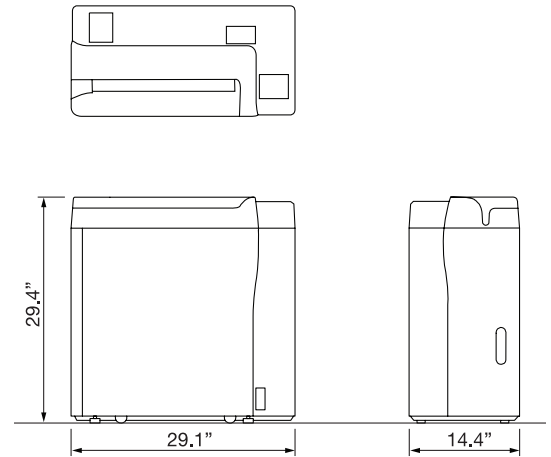|	
Exposure Size	14 x 17", 14 x 14", 11 x 14", 10 x 12", 8 x 10", 18 x 24cm, 24 x 30cm, 15 x 30cm
Sampling Pitch	2 types: 87.5µm and 175µm
Maximum Resolution	4020 x 4892 (14 x 17" / 175µm)
Digital Gradation Level	4096 levels (12 bit)
Processing Capacity	Approximately 76 plates an hour (14 x 17" / 175µm)
Cassette Feed / Load Time or Cassette Cycle Time	Approximately 47 seconds (14 x 17" / 175µm)
Outer Dimensions / Weight	W29.1" x D14.4" x H29.4" / Approximately 220 lbs.
Power Consumption	AC 100/115/120/200/220/230/240V ±10%; 50/60 Hz; 0.8 KVA; 700 VA
Operating Conditions	Temperature: 15°C – 30°C Humidity: 35% – 80% RH (no condensation)

Specifications are subject to change without notice.

CR Control Station Specifications*

DICOM Services	DICOM Storage (CR/DX/MG SCU) DICOM Print SCU DICOM Modality Worklist SCU DICOM Grayscale Standard Display Function SCU DICOM Grayscale Standard Presentation State SCU DICOM Modality Performed Procedure Step SCU DICOM Storage Commitment SCU
Image Input	Supports REGIUS 370 Upright Reader, Xpress CR, and Nano CR (up to 8 CR Readers)
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)
Image Storage Capacity	Approx. 5,000 Images
Dimensions	PC: 7.2"(W) x 15.8"(D) x 14.5"(H) Touch Screen: 15.0"(W) x 20.3"(H) x 8.2"(D)
Weight	PC: 20 lbs.; Touch Screen: 18 lbs.
Power Source	PC: AC 100–240V; 50/60 Hz Touch Screen: AC 100–240V; 50/60 Hz
Heat Generation	PC: 160 Watts or 548.8 BTU/hr (maximum) Touch Screen: 40 Watts or 136 BTU/hr
Operating Conditions	Temperature: 15°C – 30°C Humidity: 40% – 80% (non condensing)

Specifications are subject to change without notice.

Outer Dimensions

29.4"

29.1"   14.4"

Konica Minolta's Commitment to Customer Satisfaction

At Konica Minolta, your complete satisfaction is our number one goal. From pre-installation through the lifetime of your investment, our professional staff provides the technical expertise you need. Project Management, Applications Training, and Field Services are different teams of Konica Minolta professionals that work together to maintain your continued satisfaction over the lifetime of your investment.

Maximize your investment in CR equipment by selecting the right Blue Moon CR Lifecycle Products and Customer Satisfaction Agreements to ensure the ongoing operational excellence and productivity that your department needs.

Contact-free and rigid image plates are designed to extend lifetime and eliminate artifacts

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