REGIUS
MODEL 210


KONICA MINOLTA

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KONICA MINOLTA

DIRECT DIGITIZER

# REGIUS MODEL 210

Giving Shape to Ideas


All-around system that achieves
maximum productivity in various environments,
succeeding the “Super Distribution System” concept
from REGIUS MODEL 170.
The system offers a 43.75$\mu$m※ read function for mammography;
with new, enhanced console features.
C-PLATE series cassette with columnar crystal phosphor is ideal
for mammography and pediatric use.
Introducing the New-Generation REGIUS
easier to use, ever more sophisticated.

※ Option license

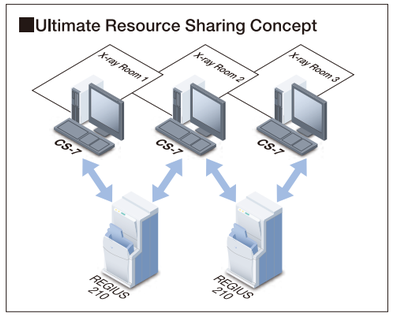
# The "Ultimate Resource Sharing" concept enables realization of the ideal workflow in any scene of the medical institute.

### A new Compact, high-performance design

Utilizing a unique dual bay design, the high speed reader of REGIUS Model 210 processes up to 100 plates per hour for maximum performance. This next generation reader radically improves workflow all within a mere 58×58 cm footprint.

### Centralized image checking for flexible layout

The "Ultimate Resource Sharing" concept provides the flexibility to separate the location of the consoles and the readers. This allows for the same fast and thorough image checking as with conventional systems. The result : system layout and productivity are optimized according to the number of examinations conducted, the work line and floor space.




### Side panel for optical unit maintenance

MODEL 210 has a side panel for the cleaning / maintenance of optical unit. Simply open the panel and pull out the cleaning knob for easy cleaning of the optical unit. Fine dust accumulated on the optical unit can be easily removed.

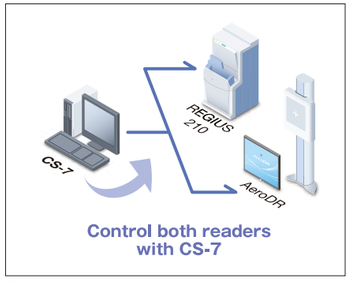
### Two selectable options for cassette registration

Cassette registration mode can be selected from two options, registration at imaging (barcode registration) and registration at reading (screen menu selection), according to the line of movements and system layout. This enables more flexible operation. Two types of bar code readers are available; single-type (above in photo) or multi-type.

# Easy Workflow & Reliability

## REGIUS CONSOLE CS-7

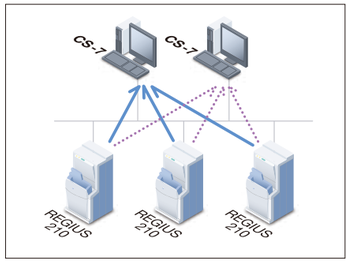
The REGIUS console function was succeeded to so far, the market trend corresponded, and a high extensibility and operativeness were pursued further. Konica Minolta offers new console CS-7 that pursues the comfort.




**Control both readers with CS-7**

**Multi-reader control.**

One CS-7 unit seamlessly controls both reader units of the Model 210 and AeroDR . For superior processing continuity, the flow of exposures is uninterrupted while the images are acquired.




**Freely Selectable Reader.**

Images are always displayed on the CS-7 where the plate is registered, regardless of which reader was used to scan the plate. This makes it easier for the operator to check image quality while maximizing the reader utilization.

▲List screen


▲Body part selection screen

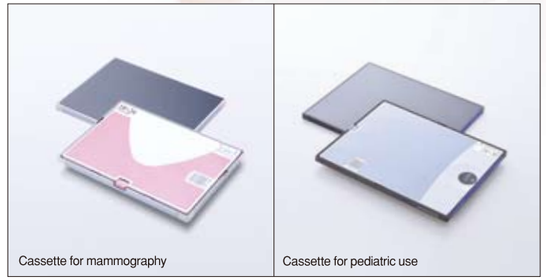

▲Image View


▲Exposure screen

**A better real-time display.**

Shorter time from exposure to image checking is important for the user's efficiency. The CS-7 makes it possible to check the image in the least amount of time possible, since images are displayed in real time.

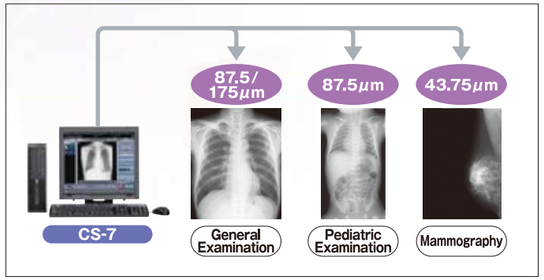
# Sampling pitch of 43.75μm※ for digital mammography reading.



Cassette for mammography　Cassette for pediatric use

## C-PLATE series with vapor deposition-type phosphor layer

"C-PLATE" features a columnar crystal phosphor layer that efficiently delivers photostimulated luminescence to the light reception unit. A high X-ray absorbing material is used as phosphor to achieve excellent sharpness and granularity. In addition to the cassette for mammography, cassette for pediatric use is now available that best meets the requirement for a reduced radiation dose.




## Optimum read function for different body parts

In addition to the 175 and 87.5μm read capability, REGIUS MODEL 210 supports 43.75μm※ read function for mammography and 87.5μm read function for pediatric use. In mammography where recognition of subtle pathological changes is essential, highly valuable images can be achieved based on a vast amount of information.

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# SPECIFICATIONS

## Direct Digitizer REGIUS MODEL210

**■Exposure size**
14"×17" / 14"×14" / 11"×14" / 10"×12" / 8"×10" /
18×24 cm / 24×30 cm / 15×30 cm and others

**■Sampling Pitch**
3Types : 87.5 / 175 and 43.75μm※ for Mammography

**■Maximum Resolution**
4020×4892 (14"×17" / 87.5μm )
5440×6776 (24×30cm / 43.75μm / Mammography)

**■Digital Gradation Level**
4096 levels (12bit)

**■Processing Capability**
approx. 100 plates / hour (14" × 14" / 175μm)
approx. 78 plates / hour (14" × 14" / 87.5μm)

**■Slots**
Insert×1 (plus 1 stack)
Eject ×1 (4-stack)

**■Outer Dimensions/Weight**
W580×D580×H1230mm/approx. 170kg

**■Power Consumption**
AC100/115/120/200/220/230/240V ±10%
50/60Hz approx. 1.1kW

**■Operating Conditions**
Temperature : 15-30℃
Humidity : 35-80%RH (no condensation)

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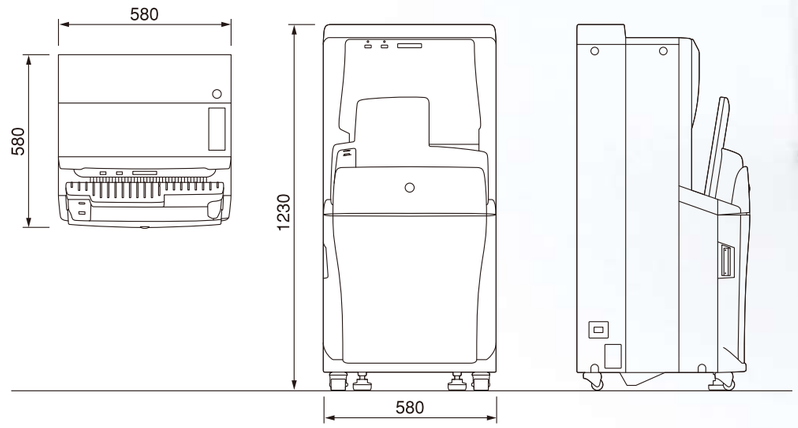
## REGIUS MODEL210 Outer Dimensions




Unit : mm 1/20 scaled

## Control Station CS-7

**■Image Processing**
Automatic Gradation Processing (G Processing),
Frequency Processing (F Processing)
Equalization Processing (E Processing),
Hybrid Processing (H Processing)
Hybrid Smoth Processing (HS Processing)

**■Image Output**
Host : Up to 4 channels /
Printer : Up to 2 channels

**■DICOM Support**
Basic Grayscale Print Management (SCU),
Storage (SCU),
Modality Worklist Management
Modality Performed Procedure Step,
Grayscale Standard Display Function (print output)

**■CR / DR Connections**
REGIUS 110, 110HQ*, 190, 210 : Up to 15 units
REGIUS SIGMA2 : One unit
AeroDR : Up to 4 simultaneous active detectors

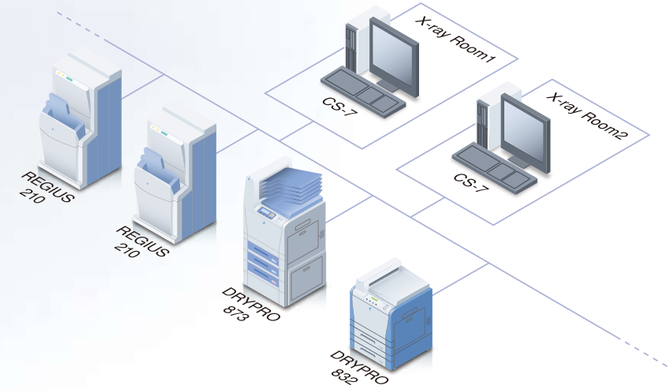
* It is not available to connect in USA

**■Main Options**
•Hardware options
Bar-code Reader
for REGIUS Cassette Registration,
In-room Sub Monitor

•Software options
DICOM MWM / MPPS / DETACHED, FTP,
DICOM Storage Output, DICOM Print,
Media Storage and others.

Please contact your Konica Minolta sales representative for more details.

**■ Flexible Work Flow**




★Specifications are subject to change without prior notice.