

# COMPACT

REGIUS  $\Sigma$

## Konica Minolta's Ultra-Compact CR

The REGIUS  $\Sigma$  is Konica Minolta's smallest and lightest CR. The desktop CR has a footprint of only 1.31m<sup>2</sup> and weighs a mere 28kg.

0.11m<sup>2</sup>  
& 28kg



## Environmentally Friendly

The REGIUS  $\Sigma$  was designed with the environment in mind. Energy consumption has been reduced to 100VA - about the same as a household light bulb. That's one tenth the power of the smallest film processor.



# HIGH QUALITY

## High Resolution

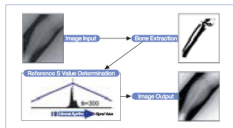
The REGIUS  $\Sigma$  supports pixel sizes of 87.5 $\mu$ m and 175 $\mu$ m for all cassette sizes, achieving a maximum resolution of 4020x4892 pixels (35x43 cm at 87.5 $\mu$ m).



87.5 $\mu$ m/  
175 $\mu$ m

## Integral Processing

Integral Processing - the result of Konica Minolta's vast imaging experience - is a robust algorithm that produces the optimum diagnostic image automatically. This patented technique greatly simplifies X-ray image acquisition while delivering incredibly consistent image quality and virtually eliminating retakes.



# SMART CONSOLE

ImagePilot

## All-in-One!

The ImagePilot software combines CR image acquisition and PACS functionality. It is a complete workflow solution for clinics, imaging centers, and small hospitals. From one GUI, users can acquire, review, distribute and archive patient images.



## Easy Control

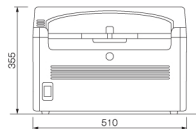
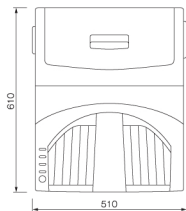
ImagePilot supports a multi-touch display for the easiest operation. More than 100 functions are literally at the tips of your fingers.



## REGIUS SIGMA Specifications

- Cassette size**  
14"x17", 14"x14", 11"x14", 15x30cm, 24x30cm, 18x24cm
- Outer Dimensions/Weight**  
W510 x D610 x H355mm / Approximately 28kg
- Power Supply Conditions**  
100VA max during operation; 20VA when not in use
- Operating Conditions**  
Temperature: 10-30°C  
Humidity: 15-80% RH (No Condensation)
- Readable Cassette**  
REGIUS CASSETTE RC-300  
14"x17", 14"x14", 11"x14", 24x30cm, 18x24cm, 15x30cm
- Readable Plate**  
REGIUS PLATE FP-1S  
14"x17", 14"x14", 11"x14", 24x30cm, 18x24cm, 15x30cm
- Sampling Pitch**  
2 Types: 87.5 $\mu$ m / 175 $\mu$ m
- Maximum Resolution**  
4,020x4,892 (14"x17", 87.5 $\mu$ m)
- Digital Gradation Level**  
4096 levels (12 bit)
- Processing Capability**  
Up to 25 plates / hour (14"x17", 175 $\mu$ m)
- Slots**  
Insertion / ejection slot x 1

## REGIUS SIGMA Outer Dimensions



Unit: mm 1/10 scaled

Brand Name : REGIUS  $\Sigma$   
Type : DIRECT DIGITIZER  
Model : REGIUS SIGMA

★Specifications are subject to change without prior notice.



KONICA MINOLTA MEDICAL & GRAPHIC IMAGING EUROPE B.V.  
Frankfurtstraat 40, 1175RH Lijnden, the Netherlands

Distributed by :



# REGIUS $\Sigma$

Konica Minolta has been a CR technology leader since 1996 - consistently designing, developing, and delivering innovative solutions. The REGIUS  $\Sigma$  represents the sum of this experience. REGIUS  $\Sigma$  delivers a compact and affordable imaging solution that maintains the superior image quality and reliability expected from our REGIUS family of products. Combined with the redesigned ImagePilot software, the REGIUS  $\Sigma$  provides simple operation and smooth workflow to a wide range of medical practitioners.

# REGIUS $\Sigma$



From patient registration to long term archive, Konica Minolta provides complete workflow.



## I. Register

Manual or automated patient registration from anywhere in the office. Select the patient from the worklist or input patient information. No need to specify body part or exam type.

## II. Digitize

Just insert an exposed cassette into the REGIUS  $\Sigma$  CR reader. The ImagePilot then automatically processes the image for optimised diagnostic viewing.

## III. View

Images can be viewed at up to 20 ImagePilot client workstations throughout the office. Each client supports all the same ImagePilot functions - the same GUI at every workstation.

## IV. Archive

With storage capacities up to 2TB, ImagePilot can archive up to 300,000 images on its expandable servers. And this can be expanded even further with add-on storage.

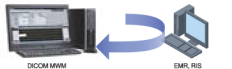
\*For available configurations, please contact your salesperson.

### ■ Patient data management

The ImagePilot server can manage more than 200,000 patients. With any registered patient, users can acquire new images or review prior exams.

### ■ Seamless Link with EMR and RIS

You can acquire patient information from an EMR or RIS which supports DICOM MWM.



### ■ Useful Registration

Use an existing PC\* (i.e. at the reception area) for patient registration, if desired.

\*Please confirm the specification for the client PC of ImagePilot.



### ■ Quick Preview

Fully automated image processing produces consistent optimised images that display within 45 seconds.

### ■ Print composition

ImagePilot supports a print composer mode. Use this mode from any client station to print multiple images on one sheet of film or paper.

### ■ Easy recovery

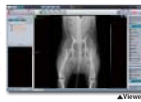
If a plate jam occurs, it can be removed easily by opening the top cover or the backside cover.



### ■ Multifunctional Viewing

ImagePilot supports over 100 features and functions.

- Annotation  
Line/Arrow/Rectangle/Text/Shutter/Marker, etc.
- Scaling  
Vertebral Heart Scale/Distance/Angle/Cobb Angle, etc.
- Image Tools  
Window Level/Zoom/Pan/Magnifier/REGIUS Processing, etc.
- Report
- Other Modality Image



### ■ Web Viewing

At home or at your secondary practice location, you can view the images on your ImagePilot server via VPN.



### ■ DICOM Image Communication

ImagePilot supports DICOM Store for sending patient images to a remote PACS or for receiving images from other PACS systems or modalities. ImagePilot also supports DICOM query/retrieve for greater utility.



### ■ NAS/DVD Backup

To secure the data stored on the ImagePilot server, you can create a backup on CD/DVD or NAS.

### ■ PDI Output

To easily share patient data with other clinics, hospitals or clients, ImagePilot can create a PDI CD/DVD which includes a DICOM viewer.

