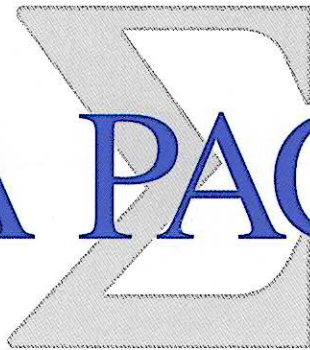KONICA MINOLTA

SIGMA PACKAGE
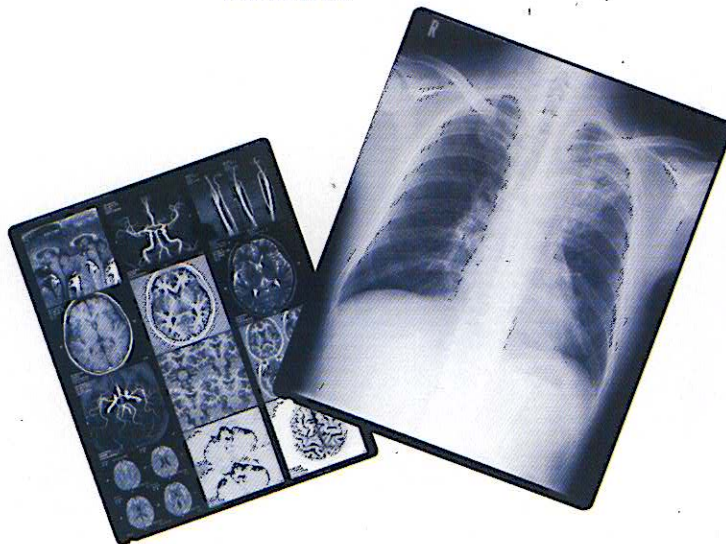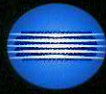
DIRECT DIGITIZER
REGIUS ΣII

IMAGING STATION
ImagePilot Touch

LASER IMAGER
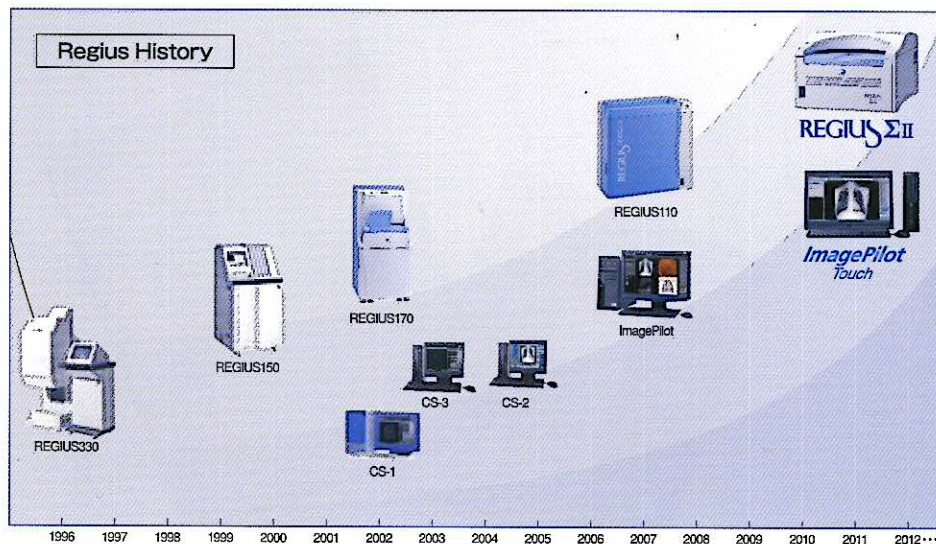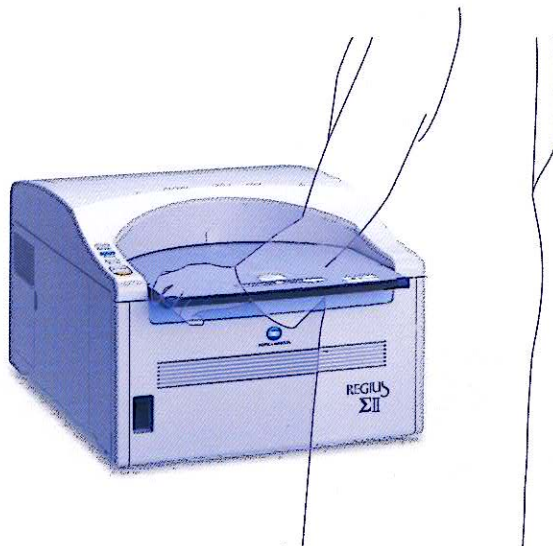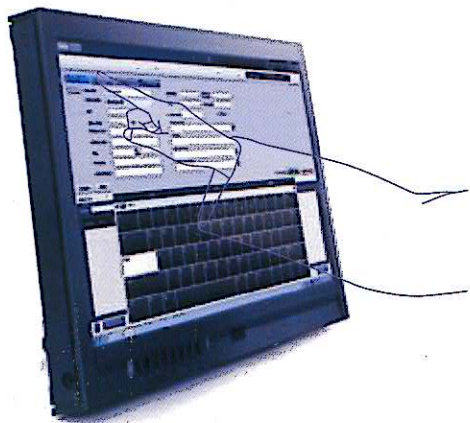**DRYPRO Σ**

Giving Shape to Ideas

KONICA MINOLTA

Konica Minolta has been a CR technology leader since 1996 - consistently designing, developing, and delivering innovative solutions. The REGIUS ΣII represents the sum of this experience. REGIUS ΣII 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 ΣII provides simple operation and smooth workflow to a wide range of medical practitioners.

High Throughput of 60plates/hour(maximum)

REGIUS ΣII

REGIUS ΣII

Regius History

REGIUS330 · REGIUS150 · REGIUS170 · CS-1 · CS-3 · CS-2 · ImagePilot · REGIUS110 · REGIUS ΣII · ImagePilot Touch

1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012····

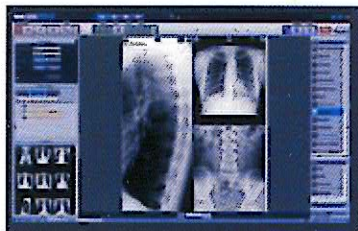# From patient registration to long term archive

ImagePilot

■ Quick Preview
The fully automated image processing produces consistent optimized images that display within 45 seconds.
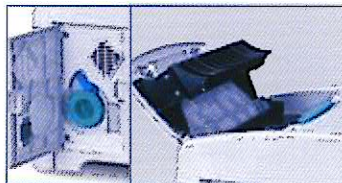
■ Print composition
ImagePilot supports a print composer mode. Use this mode from any client station to print multiple images on one sheet of film or paper.

▲Print Composer

■ Easy recovery
If the 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
  Cardio Index/Distance/Angle/Rectangular CT/Pelvis Analysis, etc
- Image Tool
  Window Level/Zoom/Pan Magnifier/REGIUS Processing, etc
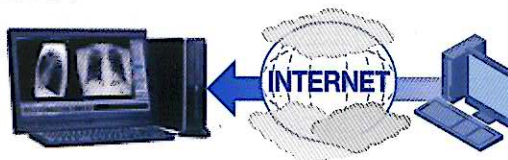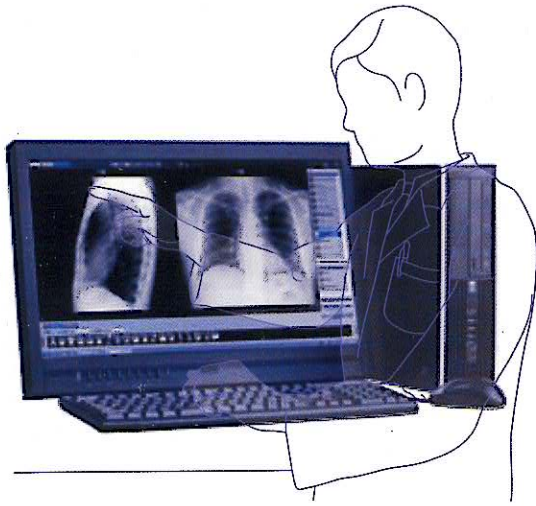- Report
- Other Modality Image

▲Cardio Index

▲Report

■ Web Viewing
At your home and trip destination, you can see the images of image Pilot via VPN.

INTERNET

Konica Minolta provides complete workflow

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 seat.

Ⅳ. Print

The DRYPRO SIGMA outputs the films up to 45 sheets (14x7")per after the image has been printed from ImagePilot DRPRO SIGMA has four types of films available, which can be transposed based on user needs.

Drypro Sigma

Compact Design

DRYPRO SIGMA is a desktop DRY Laser Imager. It features a compact footprint as small as 65x60cm. It is designed to seamlessly integrate into various environments when combined with REGIUΣⅡ
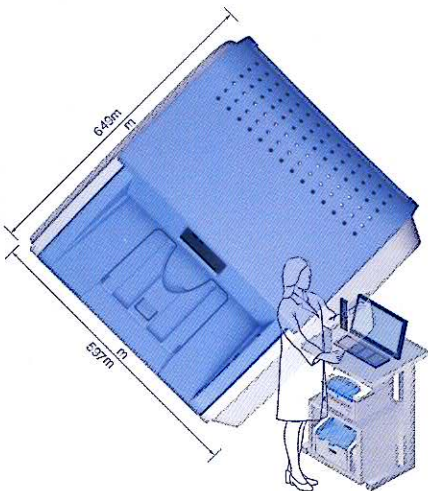
Four film sizes and easy loading process

Users can use four types of films for different purposes. Open the front cover, retrieve the film inside, and load new one. Replacing the film can be done with this simple process

User – Friendly

DRYPRO SIGMA is easy to operate, requiring no hands – on training upon installation and offering intuitive usability.

DICOM Printer

DRYPRO SIGMA can connect easily to other CR and DR consoles. CT, and MR, in addition to ImagePilot. Non-DICOM images can be scanned easily using imagePilot. Non-DICOM images can be scanned easily using ImagedPilot and can also be printed using DRYPRO SIGMA.
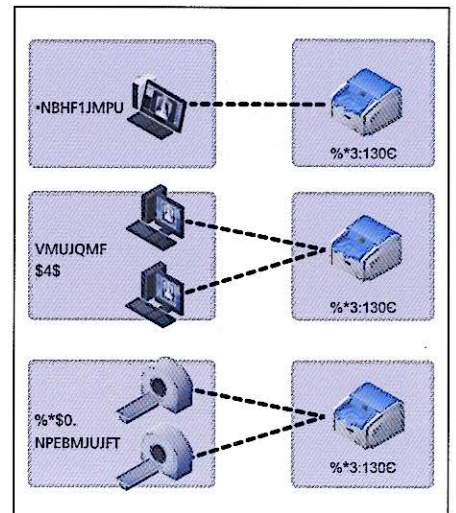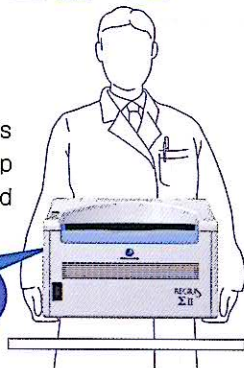
COMPACT

■ Konica Minolta's Ultra-Compact CR

The REGIUSΣII is Konica Minolta's smallest and lightest CR. The desktop CR has a footprint of only 0.31m² and weighs a mere 28kg.

0.11m³ & 28kg

■ Environmentally Friendly

The REGIUSΣII 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.
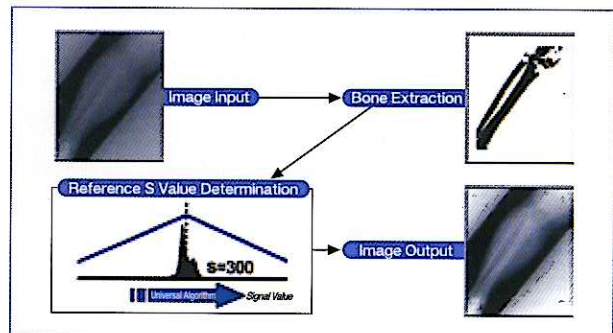
HIGH QUALITY

■ High Resolution

The REGIUSΣII supports pixel sizes of 87.5μm and 175μm for all cassette sizes, achieving a maximum resolution of 4020x4892 pixels (14x17 at 87.5μm).
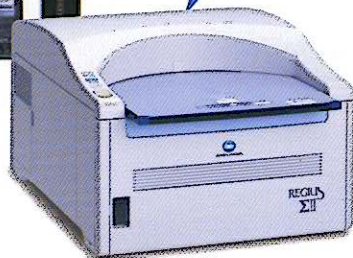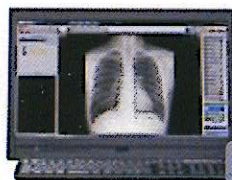
87.5μm/ 175μm

■ 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.

Image Input → Bone Extraction

Reference S Value Determination

S=300

Universal Algorithm → Signal Value

Image Output

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.

Viewer Console Storage
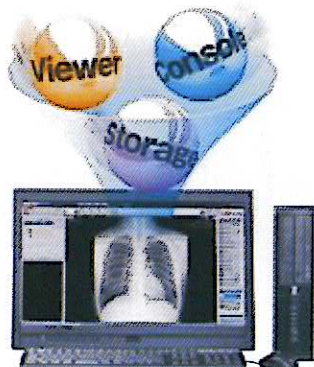
■ Easy Control

ImagePilot supports a multi-touch display for the easiest operation. The more than 100 functions and features are literally at the tips of your fingers.
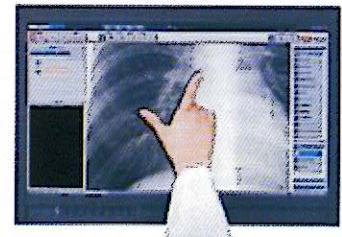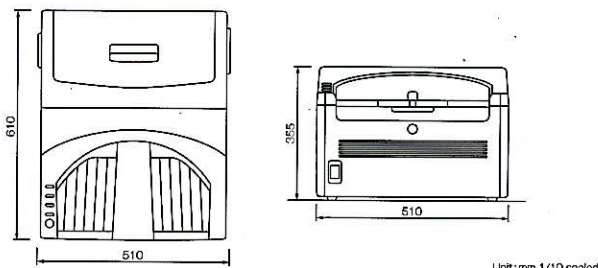
REGIUS ΣII Specifications

Cassette size
14"×17" / 14"×14" / 11"×14" / 10"×12" / 8"×10" /
18×24cm / 24×30cm / 15×30cm

Sampling Pitch
2 Types : 87.5µm / 175µm

Maximum Resolution
4,020×4,892 (14"×17", 87.5µm)

Digital Gradation Level
4096 levels (12bit)

Processing Capability
Up to 60 plates / hour (14"×17" / 175µm)
Up to 45 plates / hour (14"×17" / 175µm)

Slots
Insertion / ejection slot × 1

Outer Dimensions/Weight
W510×D610×H355mm / Approximately 28kg

Power Supply Conditions
100VA max during operation: 20VA when not in use.

Operating Conditions
Temperature : 10-30℃
Humidity : 15-80%RH (No Condensation)

Readable Cassette
REGIUS CASSETTE RC-300
14"×17", 14"×14", 11"×14", 10"×12", 8"×10", 24×30cm, 18×24cm, 15×30cm

Readable Plate
REGIUS PLATE FP-1S
14"×17", 14"×14", 11"×14", 10"×12", 8"×10", 24×30cm, 18×24cm, 15×30cm

DRYPRO SIGMA Specifications

Laser Source
Semiconductor Laser

Film Size
14"×17"(35×43cm), 11"×14"(28×35cm), 10"×12"(25×30cm),
and 8"×10"(20×25cm) selectable

Film
Dry Imaging recording film SD-S

Image Format
1,2,4,6,8,9,12,15,16,20,24,30,35

Image Memory
2GB

Pixel Size
78µm

Processing capability
Up to 45 films per hour (14×17in. (35×43cm))

Input interface
Ethernet 10/100/1000 Base-T
· Integrated DICOM interface supports printing
  from DICOM print modalities
*Connect non-DICOM modalities using PrintLink IV, ID

Operating condition
15 - 33℃(59-91F) 20 - 80% RH. non-condensing

Power
100-120V ±10% (50/60HZ) 9A
200-240V ±10% (50/60HZ) 5A

Dimensions / Weight
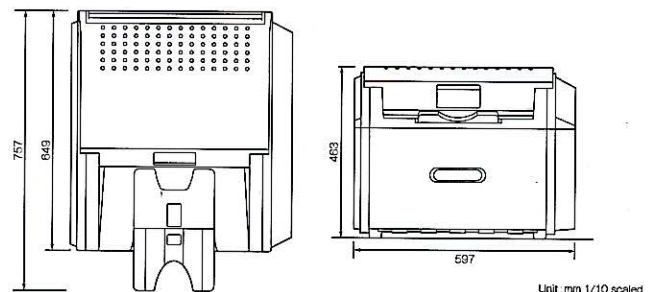W597mm X D649mm X H463mm / 54kg

Footprint
0.39m²

REGIUS ΣII Outer Dimensions

Unit : mm 1/10 scaled

Brand Name : REGIUS ΣII
Type : DIRECT DIGITIZER
Model : REGIUS ΣII

★Specification are subject to change without prior notice.

DRYPRO SIGMA Outer Dimensions

Unit : mm 1/10 scaled

★Specification are subject to change without prior notice.

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KONICA MINOLTA