

DRYPRO SIGMA Specifications

- **Laser Source**

Semiconductor Laser
- **Film Size**

14" x 17" (35x43cm), 11" x 14" (28x35cm), 10" x 12" (25x30cm), and 8" x 10" (20x25cm) 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 (14x17in. (35x43cm))
- **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°C (59-91°F) 20 - 80% RH, non-condensing
- **Power**

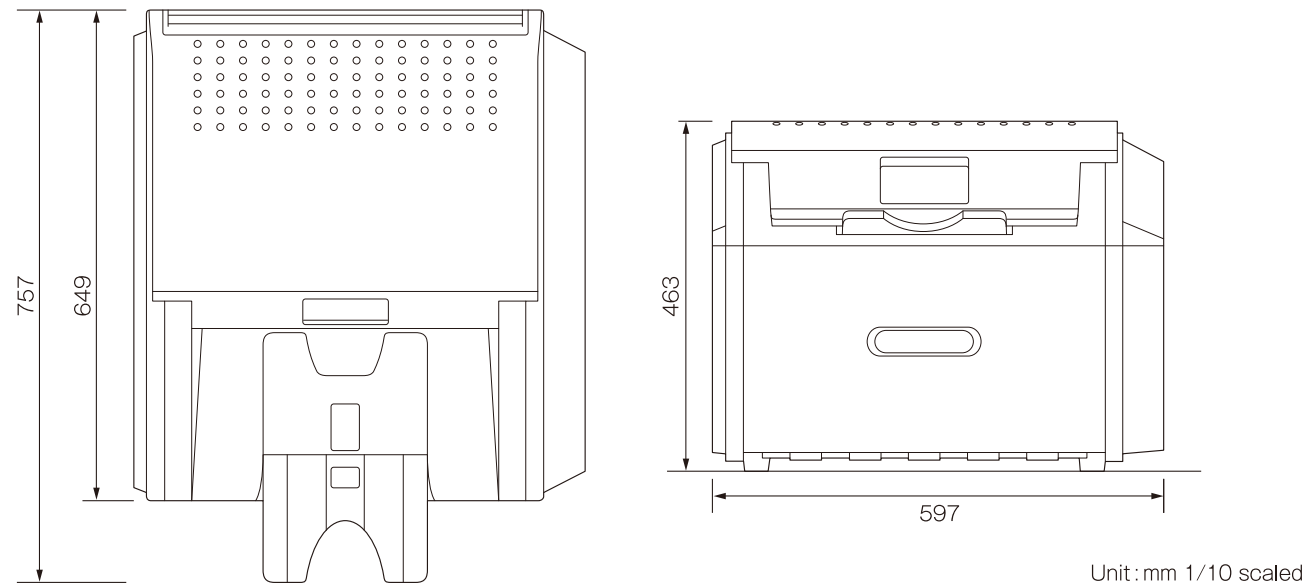
100-120V ±10% (50/60HZ) 9A

200-240V ±10% (50/60HZ) 5A
- **Dimensions / Weight**

W597mm X D649mm X H463mm / 54kg
- **Footprint**

0.39m<sup>2</sup>

DRYPRO SIGMA Outer Dimensions



Brand Name : DRYPRO Σ  
Type : LASER IMAGER  
Model : DRYPRO SIGMA

★Specification are subject to change without prior notice.

  
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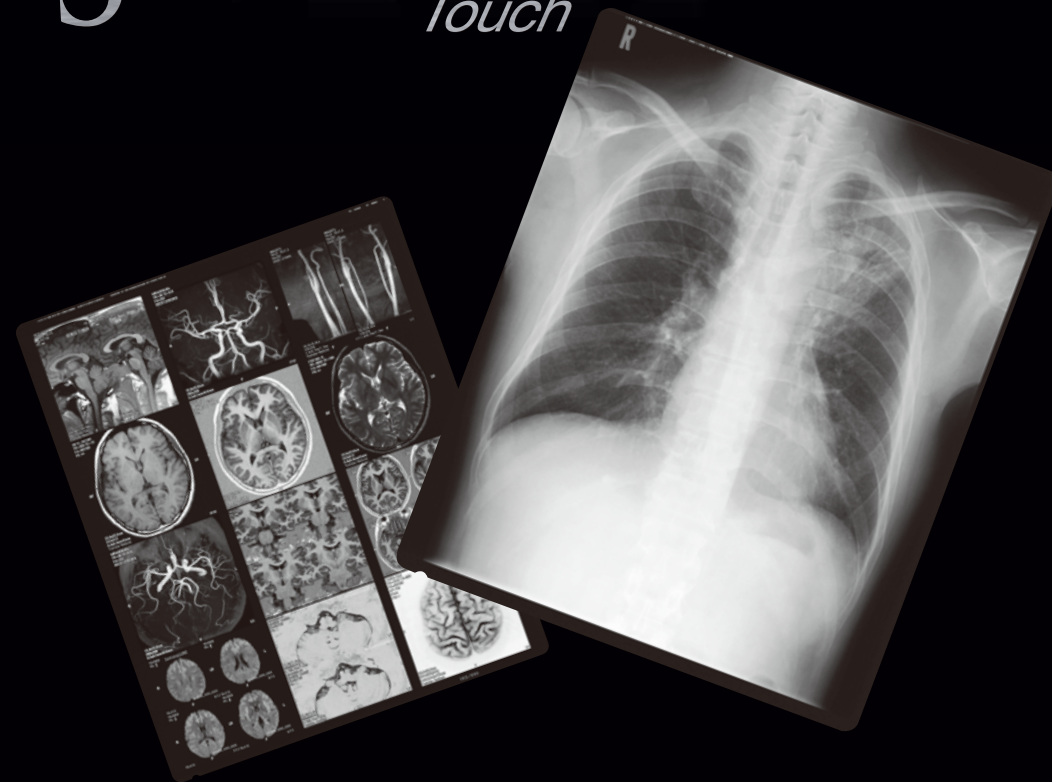
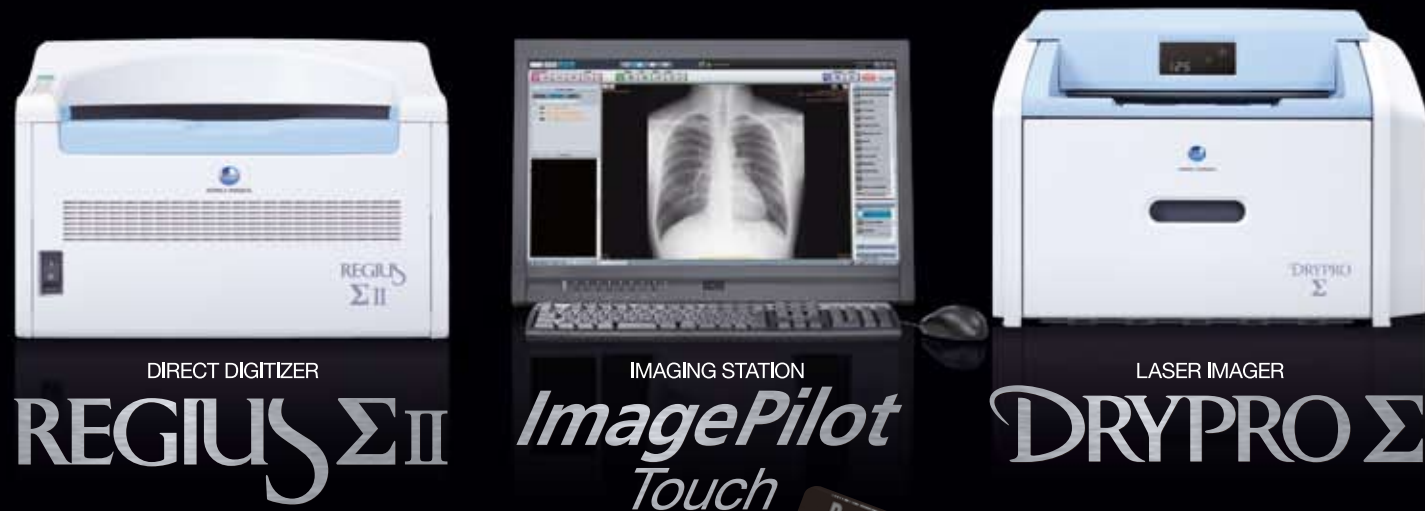


DRYPRO Σ

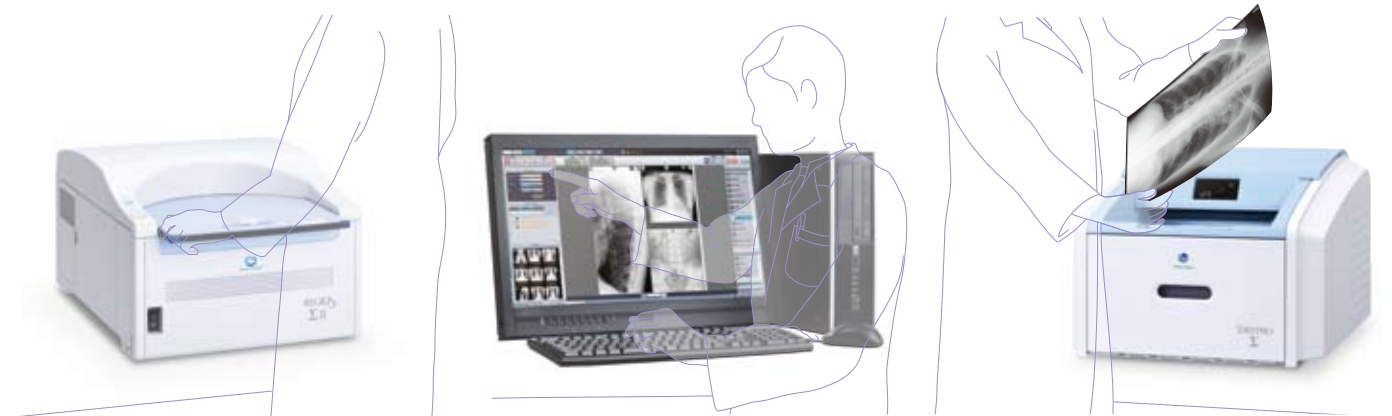


# SIGMA PACKAGE

DRYPRO SIGMA is a tabletop DRY Laser that adds true customer value to all institutions using film. Especially for budget-constrained institutions using the conventional product, it makes digital image easy and efficient when combined with REGIUS SIGMAII and ImagePilot. One stride is all it takes to take you to the digital world. The compact and powerful SIGMA package services make it all possible.



From patient registration to out put to Film, Konica Minolta provides complete workflow.



## I. Digitize

Just insert an exposed cassette into the REGIUS ΣII CR reader. The Image Pilot then automatically processes the image for optimized diagnostic viewing. REGIUS ΣII delivers up to 45 plates per hour. (14x17")

## II. Print View

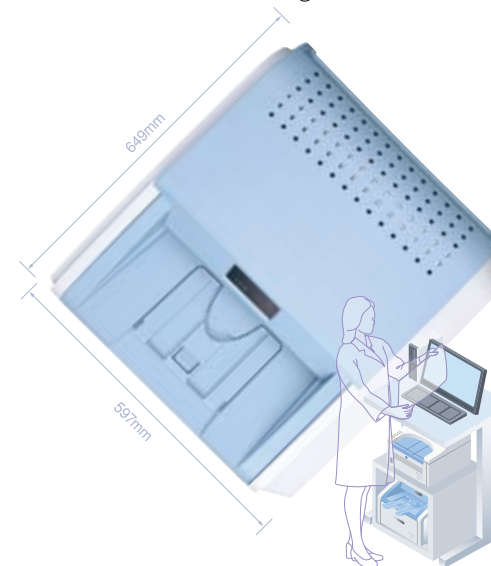
The ImagePilot has Print Compose mode. It adjusts images, layouts, and annotations freely. Since adjustments can be made on the Image Scan screen without needing to switch to another screen, the task can be completed in much shorter time.

## III. Print

The DRYPRO SIGMA outputs the films up to 45 sheets (14x17") per after the image has been printed from ImagePilot. DRYPRO SIGMA has four types of films available, which can be transposed based on user needs.

### 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 Regius SIGMAII.



### Four film sizes and easy loading process

User can use four sizes 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.



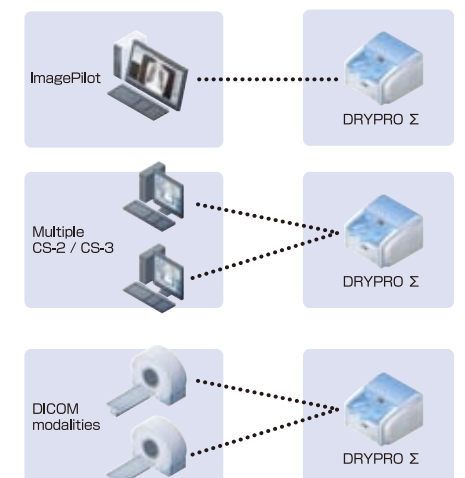
### User-friendly

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 and can also be printed using DRYPRO SIGMA.

#### Example for Connectivity Layout







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MEDICAL IMAGING FILM

***SD-Q2***



RETHINK WHAT'S POSSIBLE

Giving Shape to Ideas

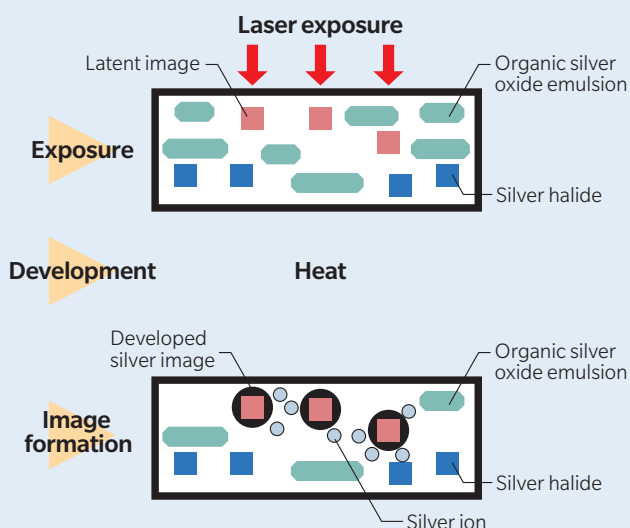
## Thermally processed dry film that delivers optimum image quality for all image modalities.

**SD-Q2 are dry films designed especially for the Laser Imager DRYPRO873 / 832**

- Sharp, clear images are assured by optimized control of image tones for CT, MRI, CR, DR and other image modalities.
- Designed for linear gradations from low- through high-density areas, SD-Q2 delivers excellent diagnostic clarity in the processed image.
- Daylight packaging makes the film easy to handle. (Film is available in the following sized, 14×17 inch, 14×14 inch, 11×14 inch, 10×12 inch, 8×10 inch, 125 sheets per box.

### Dry film image formation

- 1) A latent image is recorded in the silver halide of the film by laser exposure.
- 2) During thermal development, silver ions are supplied to the latent image from organic silver oxide emulsions, causing the developed silver image to appear.



### Storage and handling conditions for SD-Q2 dry film

Medical Imaging Film SD-Q2 is a dry film requiring no wet processing. As explained below, it should be stored and handled with care.

#### 1.Storage and handling of unexposed film

- As with other types of film, unexposed dry film should be stored in a cool, dry and dark place (Recommended temperature: 10~25°C) in the original packaging and protected from all types of radiation.
- To prevent condensation, bring the product to room temperature before use.

#### 2.Storage and handling of processed film

- Thermally processed film may be affected by high temperatures and strong light, even after processing. To protect images on the film, the film should be stored in a cool, dry and dark place. For long-term storage, film can be inserted into the original packaging or other protective envelopes and stored at 25°C or below. Storage at high temperatures may result in increased density and discoloration.
- Density variations and discoloration may result if the film is stored at temperatures of 40°C or above. The film should not be left in a closed car in hot daylight conditions, and should not be viewed with overhead slide projectors and other heat-emitting devices.
- Since film may be affected by direct light as well as high temperatures, the film should not be exposed to direct sunlight or left mounted on the viewing box for extended periods of time.
- Dry film should not be cleaned with alcohol, cleaning agents and water that may cause density blotching and other defects. And the film should not be handled with wet hands.
- Please note that the films may stick to each other if stored in a highly humid environment.

\*Image modalities: CT, MRI, DSA, RI, etc.

Konica Minolta medical film is manufactured with a quality management system that has been certified to be in compliance with the ISO 13485:2016, and the ISO 9001:2015 quality management standards, as well as with the REGULATION(EU) 2017/745 on Medical Devices.





KONICA MINOLTA

MEDICAL DRY IMAGING FILM

**SD-S**

D · R · Y - L · A · S · E · R



Giving Shape to Ideas



# MEDICAL IMAGING FILM SD-S

*Thermally processed dry film that delivers optimum image quality for all image modalities.*

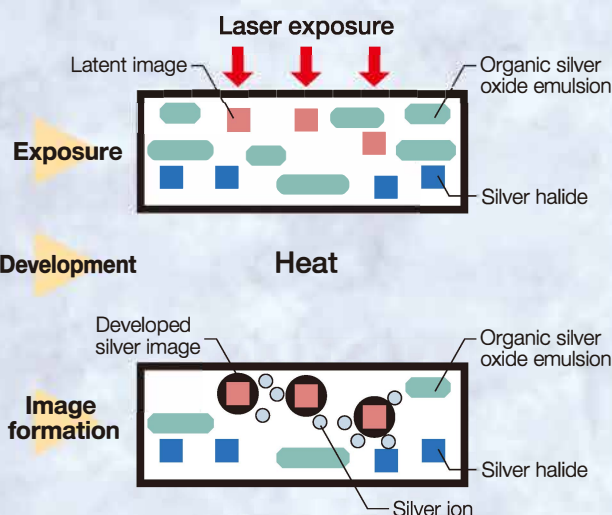
SD-S is specially designed for the Laser Imager DRYPRO SIGMA.



SD-S Film Cartridge

## Dry film image formation

- 1) A latent image is recorded in the silver halide of the film by laser exposure.
- 2) During thermal development, silver ions are supplied to the latent image from organic silver oxide emulsions, causing the developed silver image to appear.



- Sharp, clear images are assured by optimized control of image tones for CT, MRI, CR and other image modalities. Special new anti-halation technology increases image sharpness.
- Designed for liner gradations from low- through high-density areas, SD-S delivers excellent diagnostic clarity in the processed image.
- Daylight packaging makes the film easy to handle. (Film is available in the following sizes, 14x17 inch, 11x14 inch, 10x12 inch, 8x10 inch, 125 sheets per box.

## Storage and handling conditions for SD-S dry film

Medical Imaging Film SD-S is a dry film requiring no wet processing. As explained below, it should be stored and handled with care.

### 1. Storage and handling unexposed film

- As with other type of film, unexposed dry film should be stored in a cool dry and dark place (24°C or below) in the original packaging and protected from all types of radiation.

### 2. Storage and handling of processed film

- Thermally processed film may be affected by high temperatures and strong light, even after processing. To protect images on the film, the film should be stored in a cool, dry and dark place. For long term storage, film can be inserted into the original packaging or other protective envelopes and stored at 24°C or below. Storage at high temperatures may result in increased density and discoloration.
- Density variations and discoloration may result if the film is stored at temperatures of 40°C or above. The film should not be left in a closed car in hot day light conditions, and should not be viewed with overhead slide projectors and other heat-emitting devices.
- Since film may be affected by direct light as well as high temperatures, the film should not be exposed to direct sunlight or left mounted on the viewing box for extended periods of time.
- Dry film should not be cleaned with alcohol or cleaning agents that may cause density blotching and other defects. The film is resistant to water so it may be cleaned with a soft cloth dampened with water.

### ■ FILM Size

14"x17" (35x43cm), 11"x14" (28x35cm), 10"x12" (25x30cm) and 8"x10" (20x25cm)

Konica Minolta medical film is manufactured with a quality control system that has been certified to be in compliance with the ISO 13485 and the medical device directive MDD93/42/EEC



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