LASER IMAGER
# DRYPRO MODEL 832

## Specifications of DRYPRO MODEL 832

| | |
|---|---|
| Laser Source | Semiconductor laser |
| Fim 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-Q |
| Image Format | 1,2,4,6,8,9,12,15,16,20,24,25,30,35,36,42,48,54,60,63,64 |
| Image Memory | Print memory (64MB / standard) |
| Pixel Size | 78.6μm (320dpi) |
| Image data input | 8bit / 12bit |
| Output gradation | 16384 levels (14bits) |
| Image Mode | Pixel replication / Function interpolation process |
| Processing capability | More than 90sheets / hour |
| First Printing Time | less than 50sec |
| Input interface | Ethernet 10base-T / 100 base-TX / 1000base-T |
| External connection | Connection to external computer (CS-2/3 or Printlink5-IN) |
| Supply | 1 Tray (standard)　2 Tray maximum (optional) |
| Border processing | Black / White |
| Trimmed frame | Available |
| Density correction | Automatic via built-in densitometer |
| Positive / negative | Available |
| Operating condition | 15-30℃(59-86F)　30-70% RH |
| Power | UL : 120V AC± 10%　60Hz±1Hz 10A<br>CE : 220-240V AC± 10%  50/60Hz± 1Hz 6A |
| Heat generation | UL : 1200KJ/H or less<br>CE : 1400KJ/H or less |
| Noise Level | In print Mode 　 : 53 dB or less<br>In standby mode : 46 dB or less |
| Dimensions | W599×D585×H570 mm　*with 1 Tray<br>W599×D585×H722 mm　*with 2 Tray |
| Footprint | 0.35m² |
| Weight | approx.　95kg (209lb )　*with 1 Tray<br>approx. 117kg (258lb )　*with 2 Tray |
| Accessories | Power Cable, Operation Manual, Cutter (for film loading) |

## Specifications of Printlink5-IN

| | |
|---|---|
| Protocol | DICOM Print Management |
| DICOM connection | Print Service Class (Basic Gray Scale) /<br>Presentaion LUT Service Class / Storage Service Class |
| Number of Input / Output channel | 8 channels maximum (7 input channels maxiumum when 1 DRYPRO832 is connected) |

## Outer dimensions

1 Tray (Standard)    2 Tray (Optional)

585    585

599    599

570    722

Unit: mm   1/20 scaled

★In order to improve the performance, the specifications above are subject to change without notice.

C O M P A C T & F U L L  S P E C.

The DRYPRO 832 occupys a mere 0.35m²

enabling more efficient use of space.

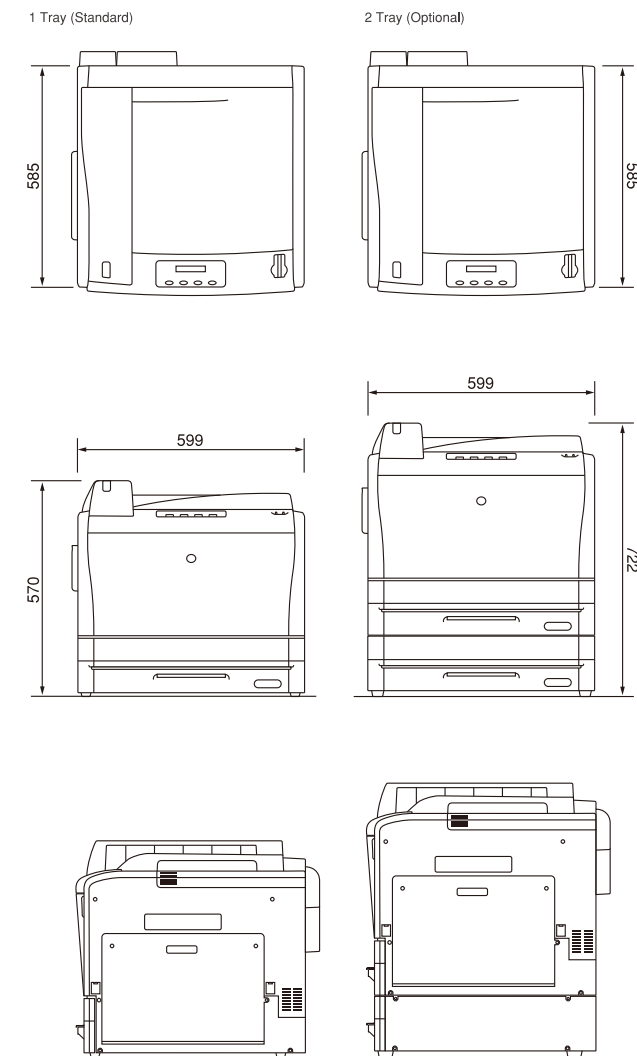KONICA MINOLTA

LASER IMAGER
DRYPRO
MODEL 832

Giving Shape to Ideas

# SMALL AND SOPHISTICATED

Konica Minolta technology pursues the ultimate performance in dry medical laser imagers. With the DRYPRO 832, superior image quality, ultra-high speed printing and increased cost effectiveness are all included in this very compact laser imager.

The DRYPRO 832 dry laser imager is more than just a compact printer. It delivers excellent productivity, boasting an unparalleled time to first print of 50 seconds and support of four film sizes - from 14×17 in. to 8×10 in. This full-spec, "table-top," laser imager doesn't sacrifice performance or versatility.

Printlink5-IN

585
599

## World's fastest first printing time[1]

Time to first print, a major speed and productivity parameter, has been greatly improved to a short 50 seconds, dramatically enhancing productivity and workflow.

※1: as of March 2007

## Four film sizes and two trays[2]

Four film sizes are available (14×17 in., 11×14 in., 10×12 in., and 8×10 in.,) And by installing an additional film supply tray, two film sizes can be used at the same time, for example, 14×17 in. and 11×14 in., or 14×17 in. and 8x10 in..

※2:Optional

■Example for Connectivity Layout

CS-2 / CS-3 — DRYPRO 832
Multiple CS-2 / CS-3 — Printlink5-IN — DRYPRO 832
DICOM modalities — Printlink5-IN — DRYPRO 832

## User-friendly

The DRYPRO 832 is very user friendly. It is easy to use, warms up quickly, and is very quiet.
A clearly visible status light changes color to indicate "Ready", "Printing", and "Film Empty" conditions.
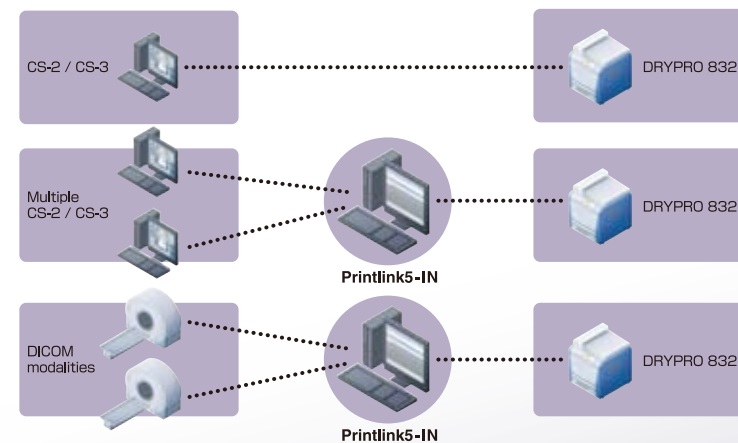
## Environment-friendly design

The excellent low-noise design assures a pleasant environment. The actual running noise has been tuned to a low tone with a reduced high-temperature range, so that it gives the impression of being quieter than it actually is. While the overall noise has been suppressed, particular attention has been given to the standby noise, ensuring a quiet environment for clinics where standby operation accounts for most of the usage time.

## Storing and Handling Dry Film

Dry image recording film SD-Q does not require a WET process. When storing and handling film, be sure to observe the following.

### 1. Storing and handling unused film

After confirming that film is packaged, store unused film, like ordinary film, in a cool, dark place (recommended temperature: 10-23°C (50-74°F)) where it will not be affected by radiation.
If film is stored in a place where temperature is more than 30°C (86°F) for a long period of time, the quality of the film may change. When storing film in a film storage, it should be stored in a place where temperature is not likely to rise.

### 2. Storing and handling processed film (image)

(1) As heat-processed-type film is susceptible to high temperature or strong sunlight even after it's processed, it should be stored in a cool, dark place. When storing film for a long period of time, be sure to place it in a film bag and store it in a place where temperature is 25°C (77°F) or below. The rise in density or discoloration may occur more frequently as the temperature rises.
(2) If the film is stored at a temperature of 40°C (104°F) or higher, this may cause density changes or discoloration even over a short period of storage. Avoid leaving the film in a car in daytime, or using it with a hot lamp etc.
(3) As the film is susceptible to strong sunlight as well as temperature, avoid exposing it to direct sunlight, or leaving it on a viewing screen for a long 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.

MEDI FILM
MEDICAL FILM
available 4 sizes

# DRYPRO MODEL 832

## Stable operation with no HDD

Hard drives store system software and data and, with that, there is always a risk that the disc will crash, bringing operation to a standstill. With the DRYPRO 832, we have eliminated the hard drive and introduced a design where the essential system software is run from compact flash memory and image data is managed by an external computer (CS-2/3 or Printlink5-IN), thereby contributing to stable operation.

## Networking by Printlink

With its flexible networking capability, the Printlink print management system provides the ideal output solution in a variety of environments, enabling output from multiple Regius consoles (CS-2/3) and printing from DICOM modalities. By using Printlink IV/ID (sold separately), you can also connect to non-DICOM modalities.
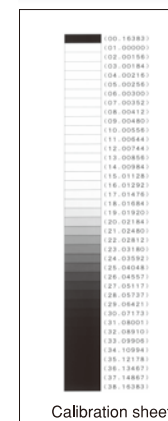
■Comparison of density resolution

16384 levels    4096 levels
14bit    12bit

Pixel replication    Smooth 3
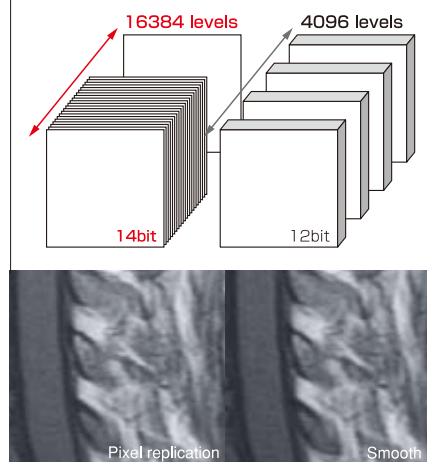
## High-quality images

A semiconductor laser and precision optics are merged to produce $78.6\mu m$ pixel size resulting in sharp, high-definition films.
The DRYPRO 832 accepts 8-bit or 12-bit data and outputs with 14-bit density resolution to accurately reproduce the highest resolution images such as those from Regius CR.

## Stable finished quality

The DRYPRO 832's density control function maintains the output density by automatically measuring a small density patch on every film.
The system also automatically calibrates itself whenever a new box of film is loaded.

Density patch section    Calibration sheet