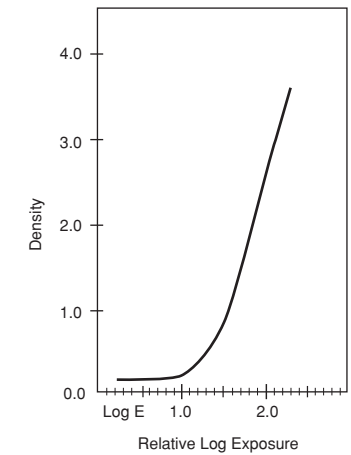


FUJI MEDICAL DRY IMAGING FILM
DI-HL

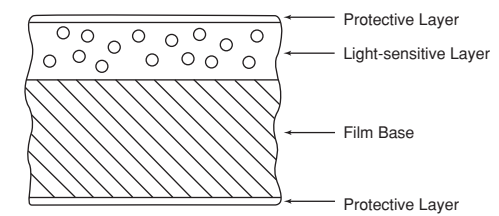
Fuji Medical Dry Laser Imaging Film, DI-HL is designed for use only with FUJI MEDICAL DRY LASER IMAGER DRYPIX 7000/5000/4000, and is employed in recording the images from Computed Radiography (CR), computed tomography (CT), magnetic resonance imaging (MRI), digital subtraction angiography (DSA), and other medical imaging modalities.

Sensitivity & Contrast

Sensitivity and contrast of the DI-HL are suitably designed for laser exposure thermal development with FUJI MEDICAL DRY IMAGER DRYPIX 7000/5000/4000.



Film Structure



Available size & Quantity

Film Size	Quantity/Package
35.4 x 43cm	100 sheets + 1 protective sheet
25.7 x 36.4cm	150 sheets + 1 protective sheet
25.4 x 30.5cm	150 sheets + 1 protective sheet
20 x 24.8cm	150 sheets + 1 protective sheet

STORAGE CAUTIONS

(1) Storing or Handling Unused Films

1. DI-HL film is used exclusively in the Fuji Medical Dry Laser Imager DRYPIX 7000/5000/4000 and cannot be used in other devices or system.
2. Be sure to store unused films contained in the film pack in a cool, dry and dark place, avoiding radioactivity and reactive gases, same as for the conventional wet type film.

Temperature: 10 to 23°C (50 to 64°F)
Relative Humidity : 45 ± 15%RH

An air conditioner may be needed, if the DRYPIX 7000/5000/4000 is installed where temperature and humidity exceed these values.

3. Do not take unused films out of the film pack that has once been loaded into the DRYPIX 7000/5000/4000 nor add films to the film pack. This will result in misoperation or failure of the equipment. Unused film should be handled in the film pack. Do not touch unused films with bare hands. This may cause artifacts to appear on recorded images.
4. The film pack contains a protective sheet in the bottom, in addition to specified number (100 or 150) of films. This protective sheet will remain in the film pack even after all films have been printed and it cannot be used for image recording. Discard it together with the film pack.
5. DI-HL Film is specially packaged for daylight loading. Instructions for loading are included in the film drawer and the DRYPIX 7000/5000/4000 operation manual.

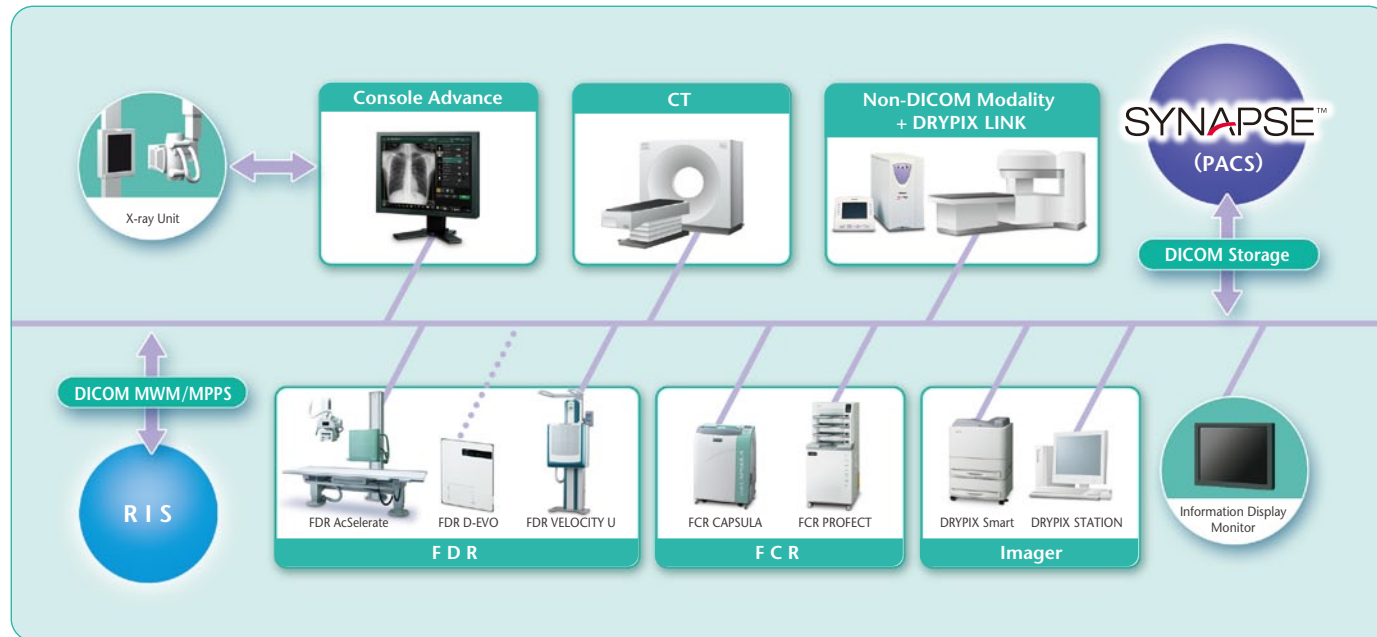
(2) Storing or Handling Recorded Films

1. Store recorded films in a cool, dry and dark place. Temperature and humidity above these conditions, density of recorded images may change. Long-term storage at high temperature, high humidity and/or daylight conditions, such as in car or in room during summer, may cause discoloration.
2. For the long-term storage performance of recorded film, we assume based on the result of the acceleration test that it will be over 30 years at 25°C until the portion on an image of density = 1.2 at time of output to 10% ($\Delta D=0.12$).

(3) Other Precautions

1. Film development continues for a while after it is ejected from the imager, and exposure to bright light during this period may cause slight changes in the film density. Due to this, traces of images from overlapped films on a light box may be transferred to a freshly exposed film. This is a temporary effect which will disappear when these films are left under normal light condition.
2. Contact with chemicals containing water, alcohol, developer or salt on the emulsion side of DI-HL film may result in artifacts, especially in high humidity conditions.
3. Do not store films with image recording surfaces in contact with each other.

System Configuration

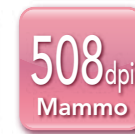


FUJII MEDICAL DRY LASER IMAGER

DRYPIX

Smart Model: DRYPIX 6000

Highly efficient dry imager quickly offering excellent quality images for wider purposes

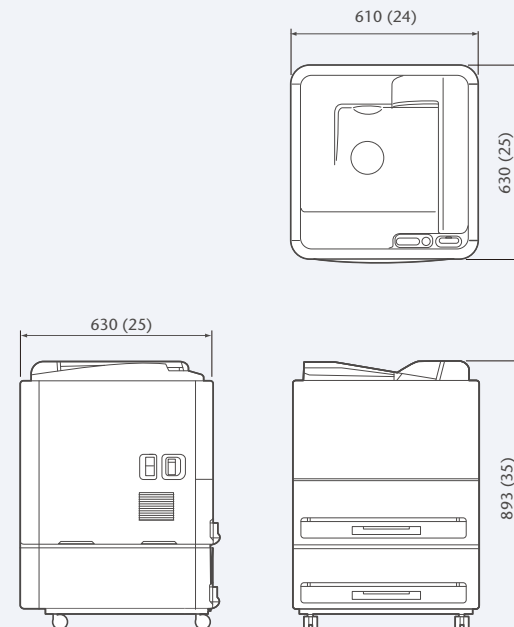


DRYPIX Smart Specifications

Standard Components	Fuji MEDICAL Dry Laser Imager DRYPIX Smart (Model: DRYPIX 6000)
Recording method	Laser exposure thermal development system
Applicable film	Fuji Medical Dry Imaging Film DI-HL (blue base) 35 × 43 cm (14" × 17") 35 × 35 cm (14" × 14") 26 × 36 cm (10" × 14") 25 × 30 cm (10" × 12") 20 × 25 cm (8" × 10") DI-ML (blue base) 26 × 36 cm (10" × 14") 25 × 30 cm (10" × 12") 20 × 25 cm (8" × 10")
Film loading	Daylight film loading
Film Tray	2 trays (5 sizes of film are available by changing film trays)
Processing capacity	Approx. 80 sheets/hour 35 × 43 cm (14" × 17")
Pixel size	50 μm (508 dpi)/100 μm (254 dpi)
Recording gradation	14 bits
Image memory	1GB
Density adjustment	Automatic
Input channels	DICOM network input × 1 channel only
Dimensions (W × D × H)	610 × 630 × 893 mm (24" × 25" × 35")
Weight	104 kg (229.3 lbs.)
Power Supply Conditions	Input voltage AC100 - 240V/ Single phase Frequency 50 - 60Hz
Environmental Conditions	Operating Conditions: • Temperature: 15 - 30°C • Humidity: 40 - 70%RH (at 15°C) to 15 - 70%RH (at 30°C) (No dew condensation)

Dimensions

Unit:mm (in.)



Specifications are subject to change without notice.
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 In some countries, regulatory approval may be required to import medical devices.
 For the availability of these products, please contact your local sales representatives.



The most advanced DRYPIX has arrived, assisting smooth diagnoses

DRYPIX Smart, backed by Fujifilm's extensive experience in dry imaging, always delivers superior quality images to satisfy various needs of multi-department hospitals. Despite its compact size, enabling use anywhere in a medical facility, throughput is extremely high with no compromise on image quality.

Compact and highly efficient

High throughput

DRYPIX Smart boasts a world-class high throughput speed of 80 sheets per hour with 14" x 17" film. It will help reduce the patient's waiting time and greatly increase the efficiency of examination workflow.

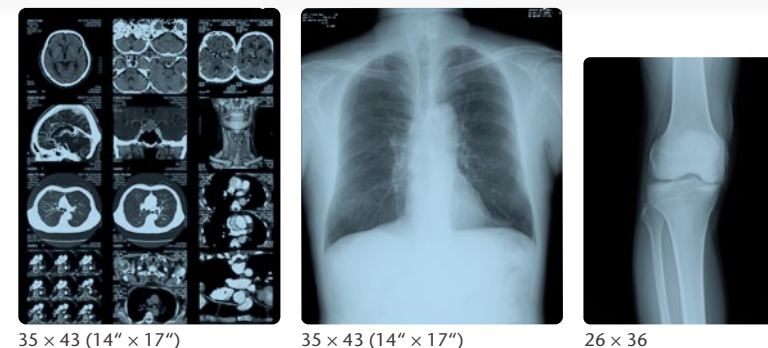
Two trays to achieve more versatility

The DRYPIX Smart accommodates multiple film sizes. It is equipped with two universal film trays which enable printing on two different film sizes at the same time.



Fuji Medical Dry Imaging Film

The high quality DI-HL and DI-ML films contribute to producing clear images on the DRYPIX Smart. These films have a neutral color tone that produce images comparable to those made by wet processing.



35 x 43 (14" x 17")

35 x 43 (14" x 17")

26 x 36

2 trays

Throughput
80 sheets/hr.

*with 14" x 17" film

Applicable for
mammography
(508 dpi)

High quality images for more versatility

High resolution and high maximum density

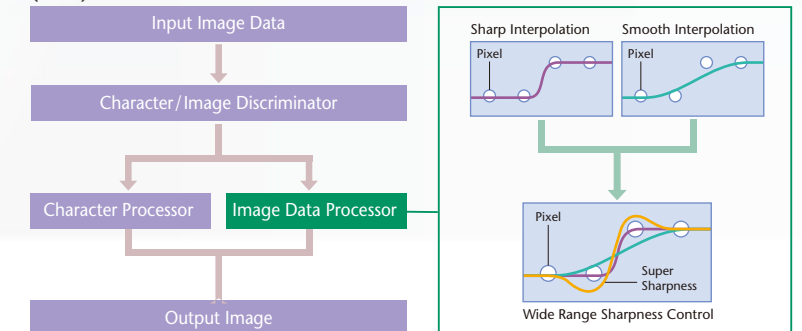
Offering high resolution of 508 dpi and a maximum density of 4.0*, the DRYPIX Smart is ideal for mammography which requires high definition images.

*When the DI-ML film is used.

Image processing engine which provides high-quality images

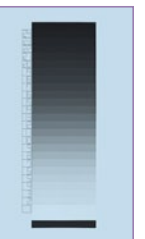
Advanced Variable Response (A-VR) Spline Interpolation Fujifilm's A-VR automatically detects and distinguishes between image data and alphanumeric characters, ensuring clear, sharp alphanumeric even when noisy images require smooth interpolation of image data. Benefits include easier, faster and more accurate diagnosis.

(A-VR) Flowchart



Quality Control

DRYPIX Smart prints a 24-step grayscale pattern to film, and then measures its density. This feedback system allows precise and subtle image adjustments (FDC: Auto Film Density Correction) to be made. Several kinds of test pattern images for the QC of mammograms are incorporated into DRYPIX Smart.



SAR (Smooth Curve Arranging)

Smooth Curve Arranging (SAR) on DRYPIX not only offers the most suitable image tones for modalities such as CT and MRI, but also allows adjustment of the tones to best match the diagnostic needs of individual patients. What's more, LUT also carries information on a wide range of modalities from different manufacturers to enable precise matching of image tone to specific modality.

FUJIFILM

FUJI MEDICAL DRY IMAGER

DRYPIX

Lite (Model : DRYPIX 2000)

Outstanding performance, remarkable efficiency and superb quality satisfy your medical imaging needs



- *A New Concept Tabletop Dry Imager*
- *Supports Multiple Film Size*
- *Expandable to Two Magazines*



Fuji Medical Imager DRYPIX Lite Specifications

Basic Specifications

Standard Component:	Fuji Medical Dry Imager DRYPIX Lite (Model: DRYPIX 2000)
Recording method:	Thermal head transfers heat while in contact with thermal film
Applicable film:	Fuji Medical Dry Film DI-HT 35 x 43 (14 x 17), 26 x 36, 25 x 30 (10 x 12), 20 x 25 (8 x 10)
Film loading:	Daylight film loading
Film magazines:	Up to 2 magazines
Processing capacity:	Approx. 50 sheets/hour 35 x 43 (14 x 17), Approx. 75 sheets/hour 26 x 36, Approx. 65 sheets/hour 25 x 30 (10 x 12), Approx. 90 sheets/hour 20 x 25 (8 x 10)
Pixel size:	84.7µm (300dpi)
Recording gradation:	12 bits
Image memory:	1 GB
Density adjustment:	Automatic
Input channels:	DICOM network input x 1 channel only

Physical Characteristics

External dimensions (W x D x H):	530 x 590 x 365mm (21 x 23 x 14") with Large magazine/ 530 x 470 x 365mm (21 x 19 x 14") with Small magazine 180mm higher with optional sheet-feeder unit
Weight:	32 kg (71 lbs.) / 43 kg (95 lbs.) with optional sheet-feeder unit
Power supply:	Input voltage: AC100-240V / Phase: Single / Frequency: 50-60Hz Rated current: 5-2A

Operating Environment

Temperature:	15-30°C
Humidity:	40-70% RH (at 15°C) to 15-70% RH (at 30°C) (no dew condensation)

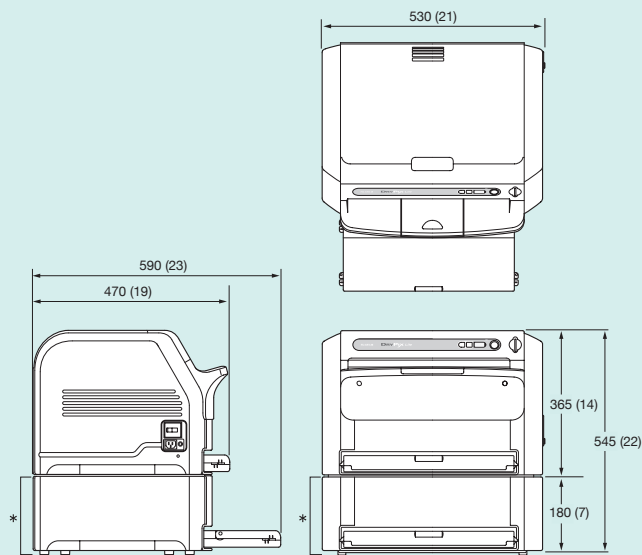
Options

- Optional sheet-feeder unit (*Supply magazine not included [Purchase separately])
- Vehicle mounting kit - Cart (*Cart does not conform to UL requirements.)
- Large magazine - Small magazine

*DRYPIX Lite doesn't come standard with supply magazine. Purchase magazine accordingly.
 *Large magazine can only accommodate 35 x 43 (14 x 17) film size.
 *Small magazine can accommodate either 26 x 36, 25 x 30 (10 x 12) or 20 x 25 (8 x 10) film size.
 To set up the film size to your desired size requires the support of our servicing personnel.
 Once the magazine is set to a film size, you cannot change it to a different one by yourself.
 *Film sizes indicated above required the respective magazines, as desired.

Dimensions

Unit:mm(in.)



*Options

Consumables

Fuji Medical Dry imaging Film DI-HT



*DI-HT only for DRYPIX Lite.

- 35 x 43 (14 x 17): 100 sheets/pack
- 26 x 36: 100 sheets/pack
- 25 x 30 (10 x 12): 100 sheets/pack
- 20 x 25 (8 x 10): 100 sheets/pack



DRYPIX Lite shown optional sheet feeder unit and 2magazines

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Medical Dry Imager
 WITH RESPECT TO ELECTRIC SHOCK, FIRE
 AND MECHANICAL HAZARDS ONLY
 IN ACCORDANCE WITH UL60601-1/CAN/CSA C22.2 NO.601
 EC: 60601-1 309K

FUJIFILM

FUJIFILM Corporation

<http://www.fujifilm.com/products/medical>

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 26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN



European Authorized Representative:
FUJIFILM Europe GmbH
 Heesenstrasse 31, 40549 Duesseldorf, Germany

FCR PRIMA T2

Extremely fast processing in a compact body streamlines diagnosis



This compact table-top reader unit has outstandingly high-speed processing capability to challenge the common misconception of CR



Processing Capacity
73 IPs/hr.

• The above value is for IPs of 18 x 24 cm.

Weight
39kg



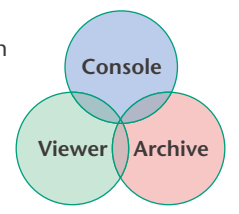
All-in-one workstation



FCR PRIMA Console / FCRView

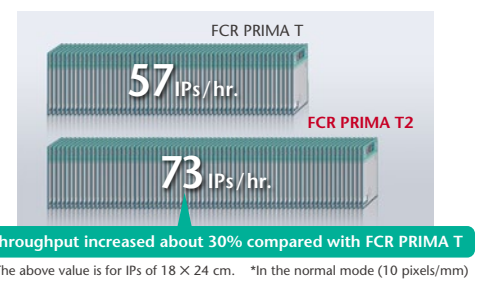
FCR PRIMA Console and FCRView are all-in-one workstation which meet various radiographic imaging needs. The features include image acquiring, processing, viewing and archiving.

*FCR PRIMA T2 can also be used with the CR Console and Console Advance.



High-Speed Processing

FCR PRIMA T2 is a table-top reader unit which boasts a world-class high processing speed of 73 IPs/hour. In the high speed mode (5 pixels/mm), throughput is enhanced almost 70% compared with FCR PRIMA T (only for IPs of 14" x 17" and 14" x 14"). As with all Fujifilm equipment FCR PRIMA T2 is easy to operate. It will help reduce patient waiting time and greatly increase the efficiency of examination workflow.



Space-Saving Design

FCR PRIMA T2, with its light and compact table top design, can be placed on a desk, shelf or anywhere space is limited. As this is a fully digital reader, neither a darkroom nor automatic processor is required. FCR PRIMA T2 can always be installed in the space formally used by a chemistry based processor.

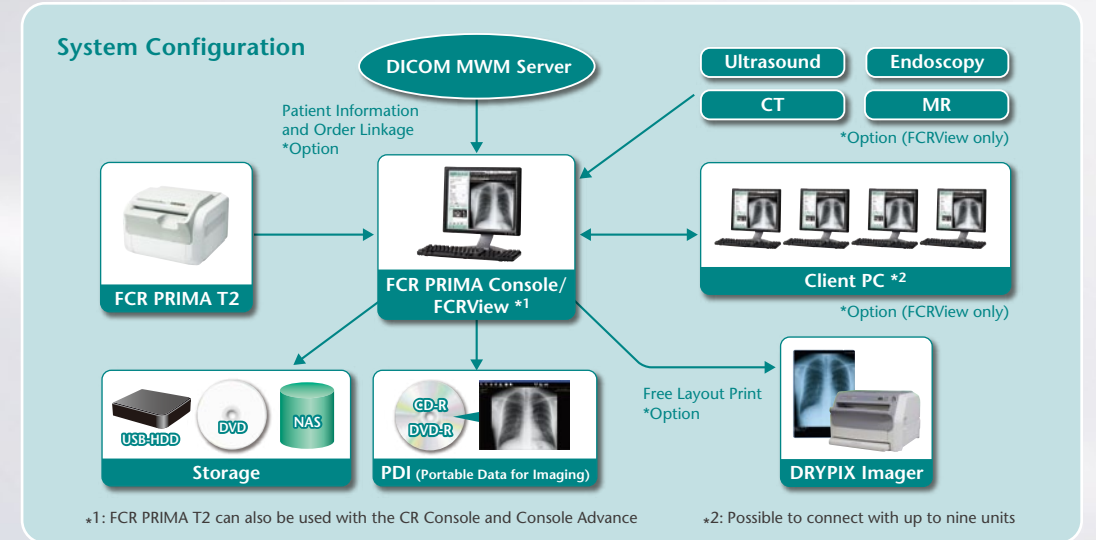


Stable High-Quality Images

Although this is a compact machine its excellent image quality is the same as that produced by the rest of the FCR range. Image Intelligence™, Fujifilm's proprietary image processing technology, enhances image contrast and sharpness, without any deterioration of details. FCR PRIMA T2 supports accurate diagnosis by offering stable and optimized image quality.



<p>MFP* Multi-Frequency Processing</p> <p>Enhances FCR images. All diagnostic scopes will be enhanced except for noise. *Optional software</p>	<p>FNC Flexible Noise Control</p> <p>Provides a non-grainy image by mainly isolating and suppressing the noise for the signal.</p>	<p>GPR Grid Pattern Removal</p> <p>Removes the stationary grid patterns thus preventing Moiré from being generated resulting in easier diagnosis.</p>



*1: FCR PRIMA T2 can also be used with the CR Console and Console Advance *2: Possible to connect with up to nine units

FCR PRIMA T2 Specifications

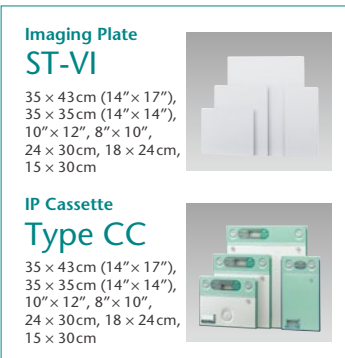
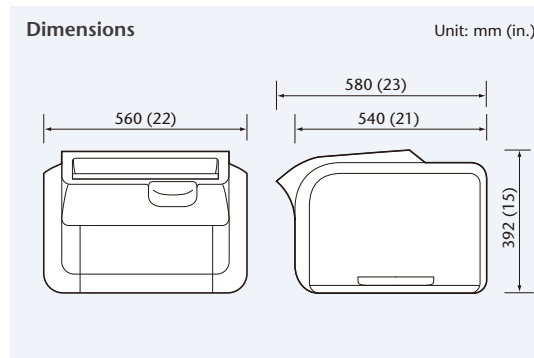
Standard Components	FCR PRIMA T2 Image Reader (Model: CR-IR 392)
Applicable Console	FCR PRIMA Console, FCRView, CR Console, Console Advance
Main Connectable Imagers	DRYPIX PRIMA/ Smart/Lite/Plus/4000
Supplies	Imaging Plate ST-VI: 35 × 43 cm (14" × 17"), 35 × 35 cm (14" × 14"), 10" × 12", 8" × 10", 24 × 30 cm, 18 × 24 cm, 15 × 30 cm IP Cassette Type CC: 35 × 43 cm (14" × 17"), 35 × 35 cm (14" × 14"), 10" × 12", 8" × 10", 24 × 30 cm, 18 × 24 cm, 15 × 30 cm
Time Required for IP Feed/Load	Min. 49 sec.
Processing Capacity	Up to 73 IPs/hr.
Reading Specification	10 pixels/mm, 5 pixels/mm
Time to Start on Display	Min. 33 sec.
Time to Print on DRYPIX PRIMA	Approx. 165 sec. (Approx. 155 sec.)* in case of 35 × 43 cm (14" × 17")
Number of Stacker	1
Network	10 Base T/100 Base TX
Dimensions (W × D × H)	560 × 540 × 392 mm (22" × 21" × 15")
Weight	39 kg (86 lbs.)
Power Supply Conditions	Single phase 50-60Hz AC120-240V ±10% 1.9A (max)
Environmental Conditions	Operating Conditions: • Temperature: 15-30°C • Humidity: 15-80%RH (No dew condensation) • Atmospheric pressure: 750-1060 hPa

This equipment is a Class 1 laser product (IEC60825-1:2001).

*In the high speed mode

FCR PRIMA T2

Extremely fast processing in a compact body streamlines diagnosis



Dry Imaging Films DI-HL

Neutral color tones comparable to conventional wet processing

Contributing to DRYPIX Smart, DRYPIX Plus/4000 and DRYPIX7000's consistently clear, low-minimum-density images are DI-HL and DI-HL films, whose neutral color tone produces image comparable to those from conventional wet processing.

Available sizes ranging from 35x43cm(14"x17"), 35x35cm(14"x14"), 25x30cm(10"x12") and 20x25cm(8"x10")



ECO-DRY System

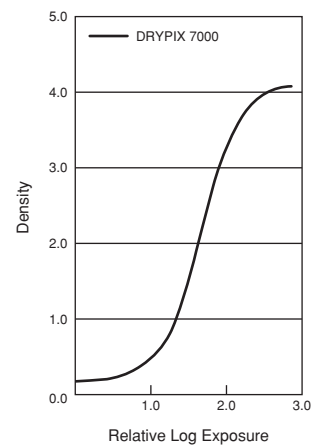
DRYPIX's ECO-DRY system is environmentally friendly, films to processing. DRYPIX medical films employ unique aqueous solvents that are free from unpleasant odors and create neutral colored image so crisp, they're indistinguishable from those printed on wet halide film. Additional ECO-DRY advantages include our development of new liquid-coating technology, which minimizes the need for harmful organic solvents like methyl-ethyl ketone and toluene in the thermal development of light-sensitive materials.

FUJI MEDICAL DRY LASER IMAGING FILM
DI-HL

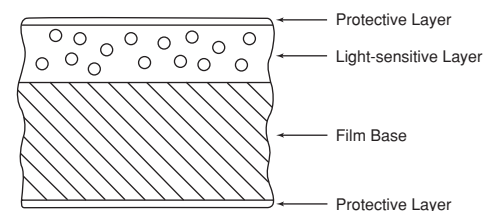
Fuji Medical Dry Laser Imaging Film, DI-HL, is specially designed for use with FUJI MEDICAL DRY LASER IMAGER DRYPIX 7000/5000/4000. DI-HL is employed in recording the images from Computed Radiography (CR), Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Digital Subtraction Angiography (DSA), and other medical imaging modalities.

PHOTOGRAPHIC AND PHYSICAL CHARACTERISTICS**1. Sensitivity and Contrast**

Sensitivity and contrast of the DI-HL are suitably designed for a dry laser imaging system with the FUJI MEDICAL DRY LASER IMAGER DRYPIX 7000/5000/4000.

**2. Maximum density**

Maximum density can be selected up to 3.6 when used with the FUJI MEDICAL DRY LASER IMAGER DRYPIX 7000/5000/4000.

3. Film structure**4. Film package**

The DI-HL film is specially packaged for daylight loading. Instructions for loading are included in the film drawers and the operation manual of the FUJI MEDICAL DRY LASER IMAGER DRYPIX 7000/5000/4000.

AVAILABLE SIZE AND QUANTITY

Film Size	Quantity/Package
35 x 43	100 sheets + 1 protective sheet
26 x 36	150 sheets + 1 protective sheet
25 x 30	150 sheets + 1 protective sheet
20 x 25	150 sheets + 1 protective sheet

HANDLING AND STORAGE PRECAUTIONS

1. Handling and storing unopened film packs

- (1) The DI-HL film is used exclusively for the FUJI MEDICAL DRY LASER IMAGER DRYPIX 7000/5000/4000, and cannot be used in other devices or systems.
- (2) Be sure to store an unopened film pack in a cool place protected against radiations and X-rays.

2. Handling and storing an opened film pack

- (1) Be sure to store an opened film pack in a cool, dry and dark place protected against radiations and X-rays the same as with the conventional wet film.

Storage temperature: 10 to 25°C (50 to 77°F)

Relative humidity: 30 to 60%RH

Air-conditioning may be necessary if the FUJI MEDICAL DRY LASER IMAGER DRYPIX 7000/5000/4000 is installed where temperatures and humidity exceed the above conditions.

- (2) Do not take unused film out of the film tray once it has been loaded in the FUJI MEDICAL DRY LASER IMAGER DRYPIX 7000/5000/4000, nor add film to the film tray before using the remaining film. This will result in malfunction or failure of the imagers.
- (3) Unused film should be handled with the film cardboard. Do not touch unused film with bare hands. This may cause artifacts appearing on the recorded image.
- (4) The film pack contains a protective sheet on the bottom. This protective sheet will remain in the film pack even after all film has been used up. It cannot be used for image recording. Discard it together with the film cardboard remaining in the film tray.

3. Handling and storing recorded film

- (1) Do not touch the emulsion side of recorded film with bare hands. It may result in finger print marks on the film.
- (2) Contact with water, alcohol, developer, or salt may result in artifacts appearing on the surface of the film, especially under high humidity conditions.
- (3) Do not store recorded film with the emulsion surface in contact with other film's emulsion side.
- (4) Store recorded film in a cool, dry, and dark place. After being stored in higher temperature and humidity than conditions described in item 2-(1), optical density of recorded images may change. Long-term storage at high temperature, high humidity, and/or daylight conditions, such as in a car or in room during summer, may cause discoloration.

SYMBOLS AND ABBREVIATIONS



Batch code



Expiry (Use by)

NIF

Non Interleaved Film



Store film at 10 to 25°C, at 30 to 60%RH



Store film properly shielded from X-rays, gamma rays or other penetrating radiations and the direct sun.

FUJIFILM
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26-30, Nishiazabu 2-chome, Minato-ku, Tokyo 106-8620, Japan



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