IP Image Reader DynamIx HR2

- Reading density: 25 μm, 50 μm, 100 μm, 200 μm
- Reading gray scale: 14 bits/pixel
- Dimensions (W x D x H): 600 x 660 x 490 mm (24 x 26 x 19 in.)
- Weight: 58 kg (127 lb)
- Power supply: 100-240 V AC, 50/60Hz, 400 VA or less
- Operation condition: 15˚C-30˚C, 15%-80%RH (No dew condensation)
- IP tray: Hand-held type
- Tools for using special cut IPs: Type S Custom order, Type F Custom order

Imaging Plate

- Fixed-size IP: ST-Ⅵ 35.4 x 43.0 cm (14 x 17 in.)
  - (Type CC Cassette) 18 x 24 cm (7.1 x 9.4 in.)
  - 24 x 30 cm (9.4 x 11.8 in.)
  - 24 x 30 cm (9.4 x 11.8 in.)
- Strip-form IP: 6 cm (2.4 in.)
- Long IP: 7 x 152 cm (2.8 x 59.8 in.)
  - Note: Consult with our sales representative for other sizes.

Image Viewer/Measurement Software DynamIx VU

- DynamIx VU Server: Stores data on cloud and enables data management.
- DynamIx VU Viewer: Enables assessment of image quality and determination of defects by using various measurement tools.
- DynamIx VU Console: Acquires images from the image reader and adjusts image quality.
- DynamIx VU Server: Stores data on cloud and enables data management.

Software

- Client PC: Intel® Core™ i7 CPU at 2.6 GHz or greater
- OS: Windows® 7 Professional 64 bit Service Pack 1 English
- Server PC: Intel® Xeon® E3-1225 at 3.10 GHz or greater
- OS: Windows® Server 2008 R2 Service Pack 1 English

Display

- Standard viewer: 21.2 inch 3M high resolution color LCD monitor
  - Recommended model: EIZO Radiforce RX340
  - Resolution: 1920 x 1200 pixels
- High grade viewer: 21.3 inch 5M high resolution monochrome LCD monitor
  - Recommended model: EIZO Radiforce GX530
  - Resolution: 2048 x 2560 pixels
Quick to detect risks, and friendly to users — devotion to accurate NDT that supports industries

QUALITY IMAGE

The world's top class* high spatial and density resolution and excellent signal to noise ratio (SNR) produce superb image quality

Fusion of Fujifilm's advanced technologies used in image reader, software and IP realizes images of the finest quality possible expected in digital imaging. *Researched by Fujifilm in November 2012

Unique image processing and wide dynamic range bringing high accuracy to every inspection

Excellent accuracy is the FCR standard with our automatic contrast optimization for each image and wide dynamic range which incorporates the trusted FCR technology.

IP insertion by hand

Information in the IPs can be read with no need of using a hard cassette.

The Special Cut IP System offering IPs tailored to test objects

Various IP shapes are available thanks to special tools developed to read special size and shape IPs making it possible to inspect objects of any shape with high accuracy.

Dynamix VU Thickness measurement — the automatic measurement tool making corrosion tests easier

The pipe wall thickness is automatically measured based on Fujifilm’s precise image analysis technology to make an inspection more efficient and stable.

Computerized contrast/density normalization according to the ASTM standard

Automatically adjusts contrast and density of an image to allow defect inspection between production images and ASTM Digital Reference Radiographs.

Long IPs enabling efficient exposure of welded pipe joints

Reads up to 152 cm long IPs allowing efficient inspection of larger objects.

NEW FEATURES

Ingenious new features to meet versatile needs of the NDT industry

EFFICIENT OPERATION

Density parameter presets for more efficient image adjustment

The user can customize and preset the automatic density adjustment parameter (Exposure Data Recognizer—EDR) suitable for the test object. Easy density adjustment is possible with just one-click.

Quick data search with preset conditions

Presets of frequently used search conditions can be created enabling one-click data retrieval.

More reliable assessment and greater traceability

Assessment of images is automated to reduce human labor and errors. The assessment history is recorded to enhance traceability.

One click between modes

Processes from image reading to inspection can be conducted on one PC with smooth transition between image reading and inspection windows.

USER FRIENDLINESS

Simple work status management and data search with the entire test procedure visualized

The entire test process is managed on one main screen. The data tree structure and work status are shown at a glance.

Easy to view Images displayed on the ergonomic monitor

Features assisting inspectors such as larger icons with customizable tool bars, masking and viewer friendly displays make inspection easier.

NETWORK & SECURITY

Flexible network configuration and communication to create an optimum workflow environment

Centralized management of inspection data at multiple sites on a centralized server accessible via Internet or Major ERP Applications.

Strengthened security with user authority control

User access rights to individual functions can be controlled. With user rights management, user functions are limited by authority and workspace is increased by the removal of unauthorized tools.