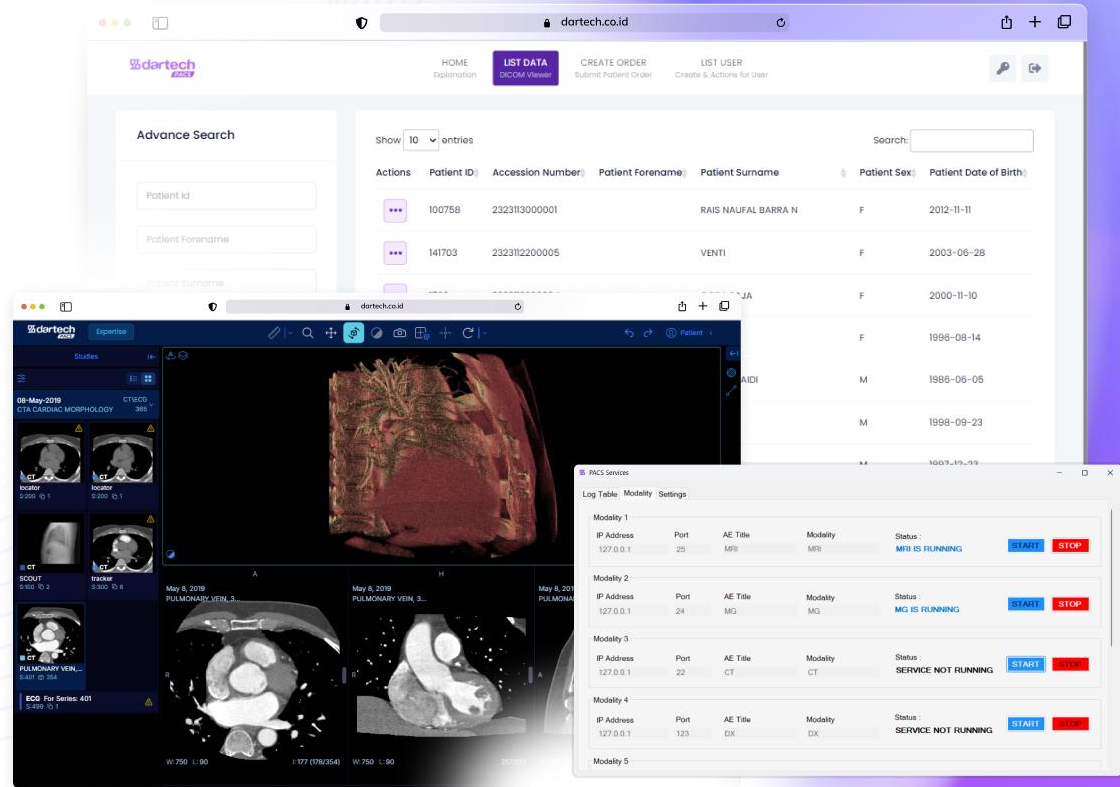


Dartech PACS

Tingkatkan layanan radiologi dengan sistem informasi & imaging yang efisien, fleksibel, dan terintegrasi.



Apa itu Dartech PACS

Sistem informasi dan imaging radiologi yang digunakan untuk penyimpanan, pengelolaan, dan distribusi gambar medis digital (DICOM).



Fitur Utama Dartech PACS



Digital Image Storage

Semua hasil pencitraan medis tersimpan dalam format DICOM tanpa film fisik.



Image Manipulation Tools

Zoom, kontras, brightness, window leveling, pengukuran, dan anotasi tersedia untuk mendukung analisis gambar medis.



Web-Based Image Viewer

Radiolog dapat membaca dan menganalisis gambar langsung melalui browser, mendukung praktik teleradiologi.



Support Multi-Modality

Dapat terhubung dengan berbagai jenis modalitas pencitraan medis dalam satu platform.



Arsitektur Dartech PACS

PACS Web

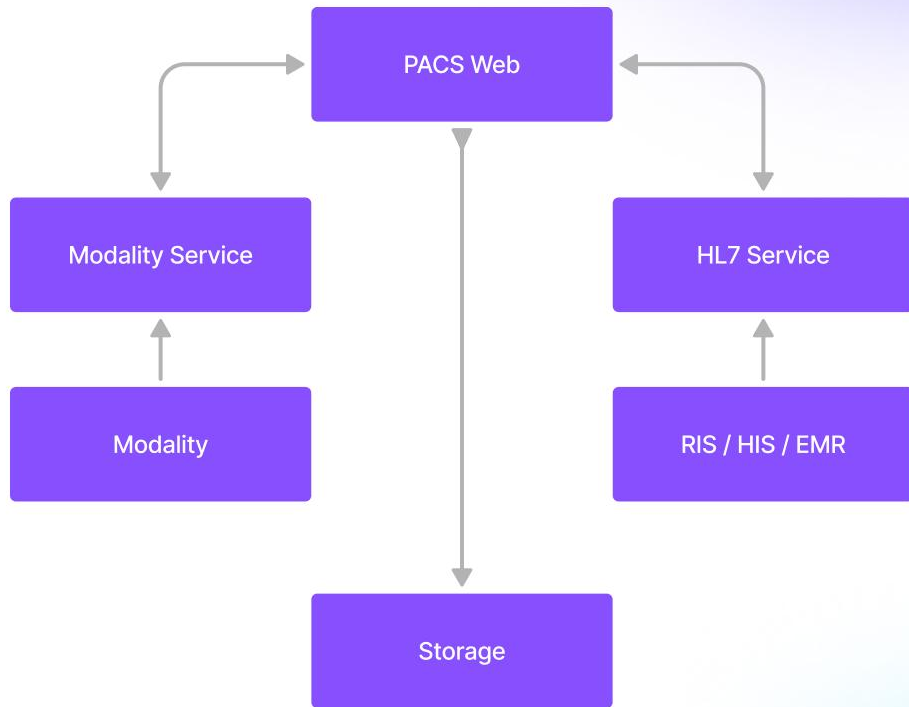
Sistem manajemen data radiologi yang mengatur distribusi gambar dan menyediakan akses viewer berbasis web.

HL7 Service

Layanan integrasi standar HL7 yang memastikan pertukaran data pasien dan order antar sistem berjalan aman & konsisten.

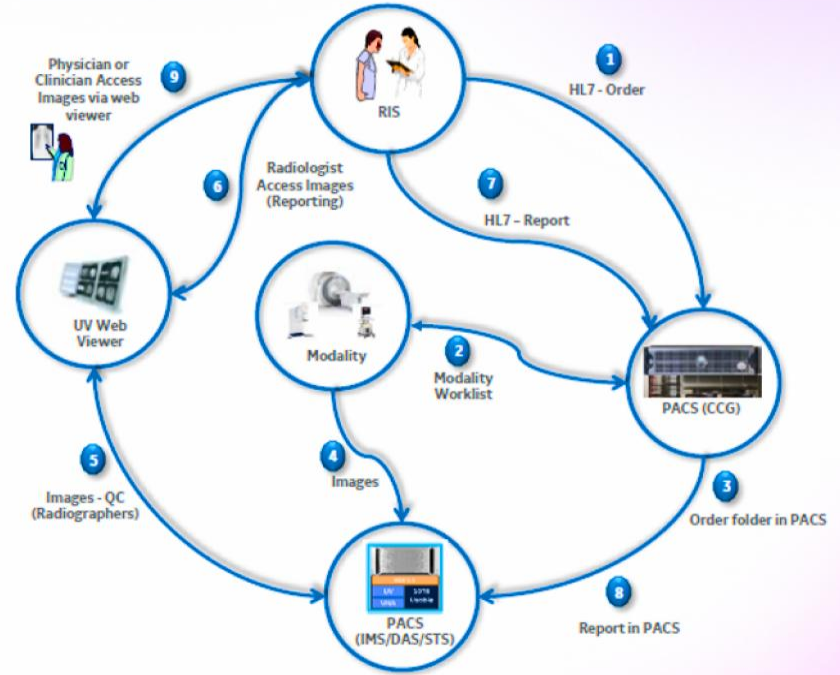
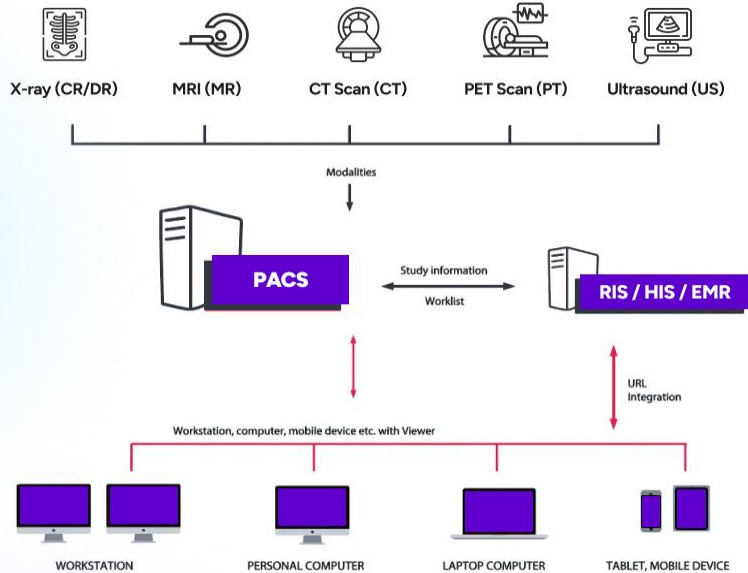
Modality Service

Layanan penghubung yang menyalurkan worklist dari PACS ke modality sesuai order pemeriksaan.



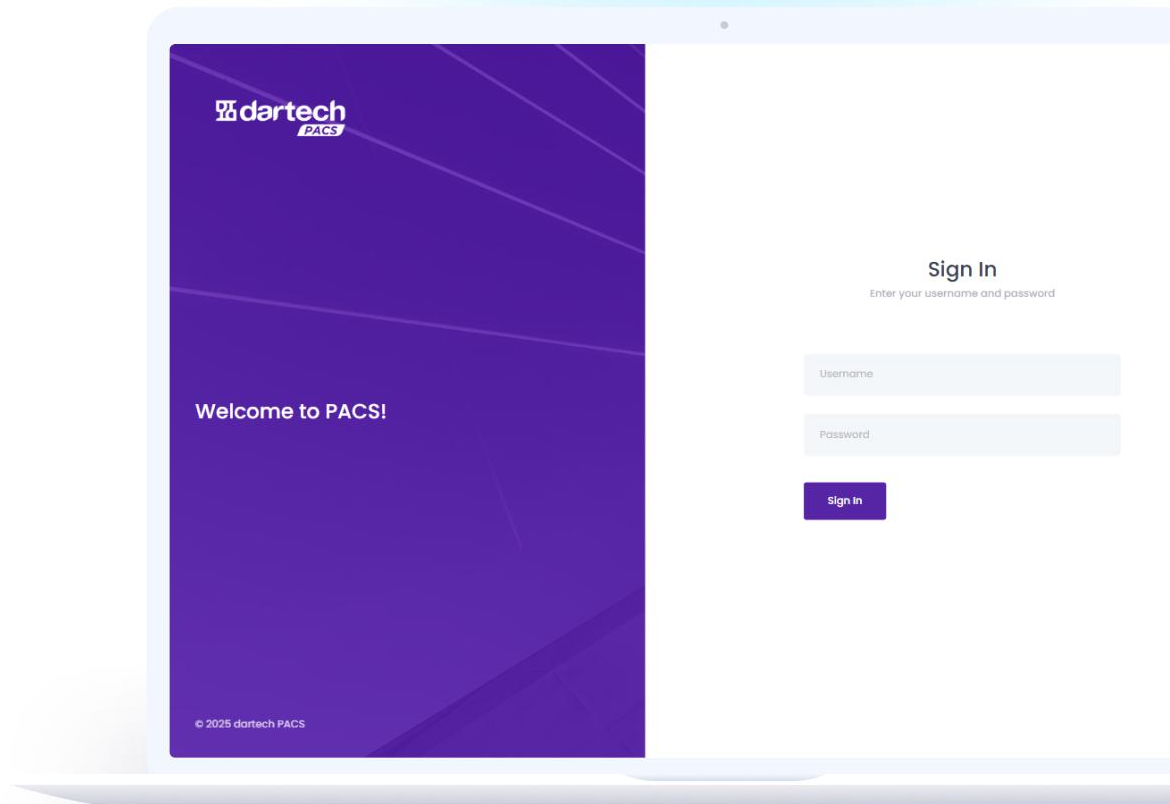
Integrasi Dartech PACS dengan

RIS / HIS / EMR



Interface

Dartech PACS



List Order

The screenshot displays a web application interface for 'dartech LIST DATA'. The browser address bar shows 'dartech.co.id'. The navigation menu includes 'HOME Explanation', 'LIST DATA BICOM Viewer', 'CREATE ORDER Submit Patient Order', and 'LIST USER Create & Actions for User'. On the right, there are icons for a user profile and a share function.

Advance Search

Search filters include:

- Patient Id
- Patient Forename
- Patient Surname
- Choose patient sex
- Accession number
- Study Uid
- Choose status order

Search

Table showing 10 entries (Showing 11 to 20 of 30 entries):

Actions	Patient ID	Accession Number	Patient Forename	Patient Surname	Patient Sex	Patient Date of Birth
...	100758	2323113000001		RAIS NAUFAL BARRA N	F	2012-11-11
...	141703	2323112200005		VENTI	F	2003-06-28
...	1769	2323112200004		COBA SAJA	F	2000-11-10
...	437666	2323111000012		RISPO	F	1996-08-14
...	018452	2323111000005		MR KURNAIDI	M	1986-06-05
...	018454	2323102700010		FERY	M	1998-09-23
...	018450	2323102700005		Sufi	M	1997-12-23
...	218426	2323101600008		DATA PASIEN EDIT KE NO 218427	F	1987-11-01
...	437676	2323101600007		LIGHTNING MCQUEEN	M	2002-01-21
...	018454	2323091200007		FERY	M	1998-09-23

Showing 11 to 20 of 30 entries

Navigation: Previous | 1 | 2 | 3 | Next

List Order

The screenshot displays the 'LIST DATA' page of the Dartech DICOM Viewer. The page features a navigation bar with 'HOME Explanation', 'LIST DATA DICOM Viewer' (highlighted), 'CREATE ORDER Submit Patient Order', and 'LIST USER Create & Actions for User'. On the left, an 'Advance Search' sidebar contains input fields for Patient Id, Patient Forename, Patient Surname, Choose patient sex, Accession number, Study uid, and Choose status order, along with a 'Search' button. The main content area shows a table of 10 entries, with a 'Show 10 entries' dropdown and a search box. The table columns are Patient Date of Birth, Modality, Date, Study UID, and Status Order. The table lists various patient orders with their respective details and status.

atient Date of Birth	Modality	Date	Study UID	Status Order
012-11-11	DX	2023-11-30 13:24:09	1.2.840.113619.6.462.2323113000001.20231130132409.5	RESULT ADD EXPERTISE PACS
003-06-28	DX	2023-11-22 10:17:40	1.2.840.113619.6.462.2323112200005.20231122101740.7	ORDER RECEIVED PACS
000-11-10	CT	2023-11-22 10:06:11	1.2.840.113619.6.462.2323112200004.20231122100612.8	ORDER RECEIVED PACS
196-08-14	DX	2023-11-10 17:21:40	1.2.840.113619.6.462.2323111000012.20231110172140.6	RESULT ADD EXPERTISE PACS
186-06-05	CT	2023-11-10 14:49:51	1.2.840.113619.6.462.2323111000005.20231110144951.8	RESULT RECEIVED PACS
198-09-23	CT	2023-10-27 16:05:33	1.2.840.113619.6.462.2323102700010.20231027160533.6	RESULT RECEIVED PACS
197-12-23	CT	2023-10-27 13:46:49	1.2.840.113619.2.491.3.2831186557.833.1698160321.885	RESULT RECEIVED PACS
187-11-01	DX	2023-10-16 14:58:15	1.2.840.113564.10110399.20210420101429160250	RESULT ADD EXPERTISE PACS
002-01-21	DX	2023-10-16 14:55:49	1.2.840.113564.10110399.20210420102419059350	RESULT ADD EXPERTISE PACS
198-09-23	DX	2023-09-12 14:33:08	1.2.840.113619.6.462.2323091200007.20230912143308.4	RESULT ADD EXPERTISE PACS

Showing 11 to 20 of 30 entries

Previous 1 2 3 Next

Create Order

dartech
2025

HOME Explanation LIST DATA DICOM Viewer **CREATE ORDER** Submit Patient Order LIST USER Create & Actions for User

Create Order

Accession Number: 7943750278 Patient ID: Patient Title: NN Patient Forename: Patient Surname: Patient Date of Birth: dd/mm/yyyy Patient Sex: M

Requested Procedure ID: 4786264181 Requested Procedure Description: Filler Order Number: 971903396 Placer Order Number: 3885376084

Requesting Physician: Referring Physician: Performing Physician:

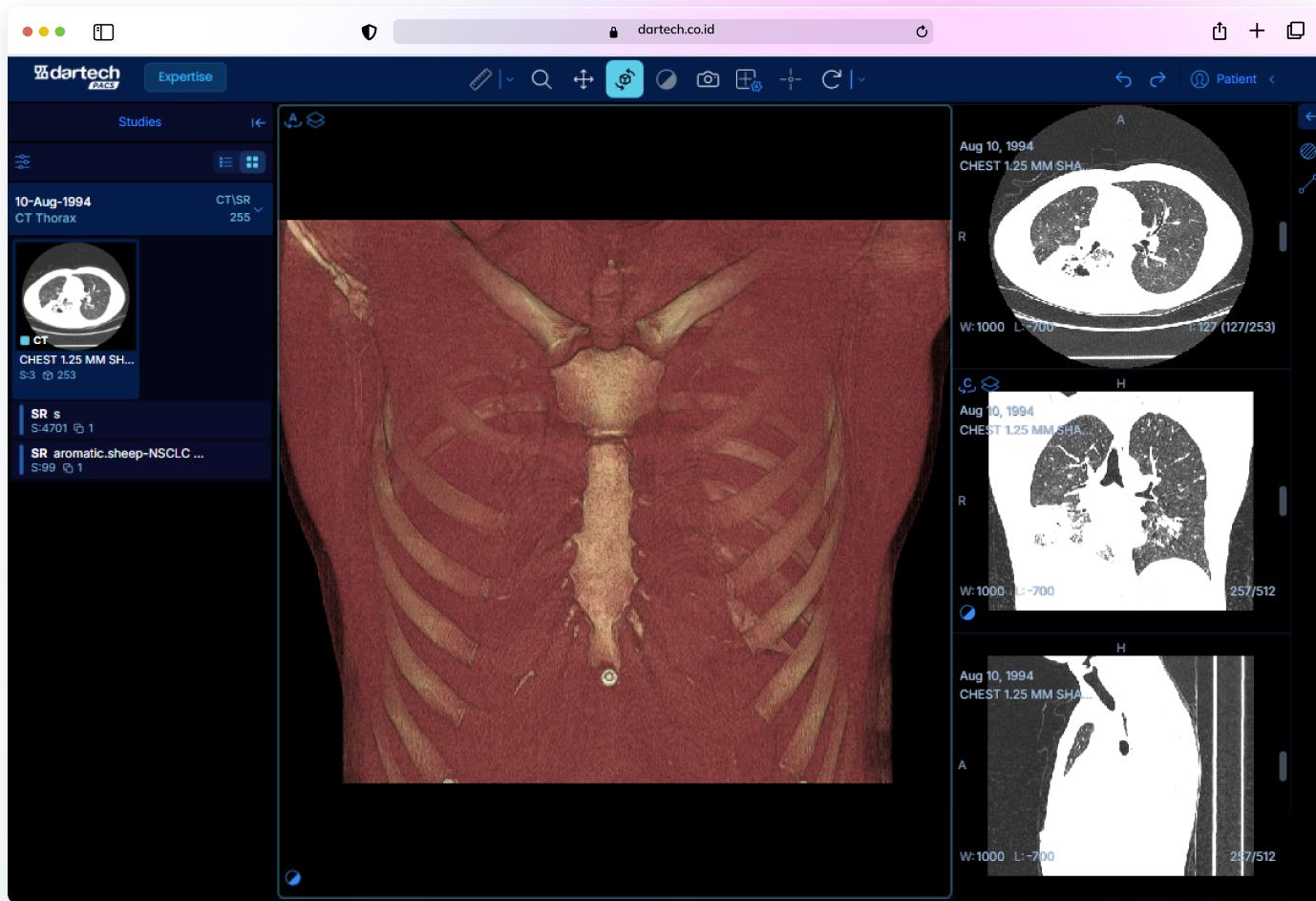
Institution Name: Modality: Modality Scheduled AE Title: AE Scheduled Station Name:

Scheduled Procedure Step ID: 275079544 Scheduled Procedure Step Description: Scheduled Procedure Step Start Date: dd/mm/yyyy --:--

Submit

2025 © Dartech PACS

CT



CT

The screenshot displays a medical software interface for CT scan analysis. The browser address bar shows `dartech.co.id`. The interface includes a top navigation bar with the **dartech** logo and an **Expertise** dropdown menu. Below this is a **Studies** panel on the left, which lists the following series:

- 08-May-2019 CTA CARDIAC MORPHOLOGY CT/ECG 365
- locator S:200 1
- locator S:200 1
- SCOUT S:100 2
- tracker S:300 6
- PULMONARY VEIN, 3... S:401 354
- ECG For Series: 401 S:499 1

The main viewing area is divided into several sections:

- A large 3D volume rendering of the heart and lungs, showing the heart in red and the lungs in green.
- Three 2D axial slices of the heart, labeled **A**, **H**, and **H**, showing the heart and lungs in cross-section. The slices are dated **May 8, 2019** and labeled **PULMONARY VEIN, 3...**. The bottom of each slice shows technical parameters: **W: 750 L: 90** and **I: 177 (178/354)** for the first slice, and **257/512** for the other two.

CR

The screenshot displays a web-based medical imaging application. The browser address bar shows 'dartech.co.id'. The application header includes the 'dartech' logo and an 'Expertise' button. A toolbar with various icons for image manipulation is visible. The main interface is divided into a left sidebar and a central image viewer.

Left Sidebar (Studies):

- 31-Dec-1900** CHEST AP VIEWONLY (CR 2)
 - AP S:1 1
 - AP S:2 1
- 09-Dec-1900** CT ABD PELVIS(WITH CHEST IM... (CT 477)
- 30-Nov-1900** CT CHEST WITH IV CONT (CT 642)
- 28-Nov-1900** MRI ABD WWO IV CONT (MR 1054)
- 27-Nov-1900** CT ABD AND PELVIS WITH IV CO... (CT 364)

Central Image Viewer:

- Header: Dec 31, 1900 AP
- Image: A portable chest X-ray (AP view) showing the thoracic and upper abdominal regions. A white 'L' marker is present in the upper right corner of the image.
- Text: 'PORTABLE' is displayed at the bottom center of the image.
- Footer: 'W: 4096 L: 2048' and '1/1' are shown at the bottom left and right respectively.

MR

The screenshot displays a medical imaging software interface for MRI scans. The top navigation bar includes the logo "dartech EXPERT", a search bar, and various tool icons. The main interface is divided into several sections:

- Studies Panel (Left):** Lists studies for "19-Jun-1959 MRI Pelvis" with 826 items. It contains a grid of thumbnail images for different scan types: "3 AXIS LOC S:201", "SAG T2 LOC S:501", "AX T1 S:601", "AX T2 FS S:701", "SAG T2 PROSTATE ... S:901", "DIFF PROSTATE TE... S:1002", "DIFF PROSTATE TE... S:1003", and "DIFF PROSTATE TE... S:1004".
- Main Viewing Area (Center):** Shows three panels of MRI scans. The left panel (labeled 'A') displays an axial T2 FS scan of the pelvis with dimensions "W: 17560 L: 6854" and a zoom level of "21/42". The middle panel (labeled 'H') shows a sagittal T2 FS scan with dimensions "W: 17560 L: 6854" and a zoom level of "271/518". The right panel (labeled 'H') shows another axial T2 FS scan with dimensions "W: 17560 L: 6854" and a zoom level of "232/463".
- Top Bar:** Includes the URL "dartech.co.id", a patient ID "Patient", and various navigation and tool icons.

MG

The screenshot displays a web-based medical imaging application. At the top, a browser address bar shows 'dartech.co.id'. The application header includes the 'dartech' logo and an 'Expertise' tab. A toolbar with various icons for editing and navigation is visible below the header.

The main interface is divided into a left sidebar and a large central viewing area. The sidebar, titled 'Studies', lists two studies:

- 22-Apr-2008 MG\MR(OPT)\SM\AN... Digital Diag... 888
- 12-Apr-2008 MG Digital Diagnostic Mammogram B... 6

Below the list, a grid of six thumbnail images represents different mammogram views. Each thumbnail is labeled with 'MG' and a specific view code:

- R CC (S:1)
- L CC (S:3)
- L MLO (S:4)
- L XCCL (S:6)
- L MLO (S:9)
- R XCCL (S:5)

The central viewing area displays a large, detailed mammogram image of a breast. A small box in the upper left of this image contains the text 'RCC'. At the bottom left of the viewing area, technical data is shown: 'W: 4084 L: 2151'. At the bottom right, a page indicator shows '1/1'.

US

The screenshot displays the Dartech Expertise ultrasound software interface. The browser address bar shows `dartech.co.id`. The interface includes a top navigation bar with the Dartech logo and "Expertise" label. A "Studies" sidebar on the left shows a grid of 10 study thumbnails for the date "13-Feb-2018", each labeled "US" and with a sequence number (e.g., S:1 7, S:1 26, S:1 25, S:1 115, S:1 33, S:1 26, S:1 31, S:1 25). The main display area shows a cardiac ultrasound scan from "Feb 13, 2018" at "25 FPS". The scan features a color Doppler overlay on a grayscale image, with a color scale on the right ranging from -.59 to .59. A heart rate of "67 HR" is displayed in the bottom right corner. A waveform is visible at the bottom center of the scan area. The bottom left corner shows "W: 256 L: 128".

HL7 Services

MiniPACS - HL7 Services

HL7 Receiver

Service Controlss

IP Address 127.0.0.1

Port 6002


Click Start To RUN HL7 ORM Service

START **STOP**

Service Status

Status : **SERVICE IS RUNNING**

Log Status



	Timestamp	Message
▶	01/09/2025 15:32:46	Service is Running
	01/09/2025 15:32:46	TCP Listener start at 127.0.0.1:6002

Modality Services

The image displays the PACS Services management interface, which is organized into three main sections for different modalities: Modality 1 (MRI), Modality 2 (MG), and Modality 3 (CT). Each modality section includes a table with columns for IP Address, Port, AE Title, and Modality. The interface also features a Log Table, Modality, and Settings tabs, and a Log section displaying service status messages.

Modality 1

IP Address	Port	AE Title	Modality
127.0.0.1	25	MRI	MRI

Modality 2

IP Address	Port	AE Title	Modality
127.0.0.1	24	MG	MG

Status : **MG IS RUNNING** [START] [STOP]

Modality 3

IP Address	Port	AE Title	Modality
127.0.0.1	22	CT	CT

Status : **SERVICE NOT RUNNING** [START] [STOP]

Log Table

Timestamp	Message
01/09/2025 ...	Service for MRI is Running
01/09/2025 ...	Service for MG is Running
01/09/2025 ...	Service for CT is Running
01/09/2025 ...	Service for DX is Running

Modality Settings

IP Address	Port	AE Title	Modality
127.0.0.1	25	MRI	MRI
127.0.0.1	24	MG	MG
127.0.0.1	22	CT	CT
127.0.0.1	123	DX	DX

[Add New] [Edit] [Delete]

Spesifikasi Dartech PACS

Fitur - Fitur

Web-based Viewer	✓
2D DICOM Viewing	✓
Zoom / Pan	✓
Window Level / Window Width (WL/WW)	✓
Invert (Negatif/Positif)	✓
Rotate / Flip	✓
Measurement (Length)	✓
ROI Measurement (area/stat sederhana)	✓
Annotation / Markup dasar	✓
Stack Scrolling (scroll slice)	✓
Cine Playback (play frame)	✓
MPR (Axial/Coronal/Sagittal)	✓
Crosshair / Reference Lines (MPR sync)	✓
Multi-Viewport Layout (1x1, 2x1, 2x2, dst)	✓
3D DICOM Viewing	✓
Filmless Module	✓
SATUSEHAT Integration	✓

Spesifikasi Teknis

Modality Interface	5
Exams	10k/year
Radiologist License	Unlimited
Technologist (Radiographer License)	Unlimited
Clinician License	Unlimited
ULite (ZFP) Viewer License	Unlimited

Server



Intel Xeon
Storage Hardisk 8TB
RAM 32GB
Input Devices (Keyboard, Mouse)
License OS Windows

Workstation



Intel Core i7 / AMD EPYC
Storage Hardisk 1TB
SSD 256GB
RAM 16GB
VGA Card
Input Device (Keyboard, Mouse)
License OS Windows
Monitor 2.4k

Supporting Hardware



UPS

Spesifikasi Dartech MiniPACS

Fitur - Fitur

Web-based Viewer	✔
2D DICOM Viewing	✔
Zoom / Pan	✔
Window Level / Window Width (WL/WW)	✔
Invert (Negatif/Positif)	✔
Rotate / Flip	✔
Measurement (Length)	✔
ROI Measurement (area/stat sederhana)	✔
Annotation / Markup dasar	✔
Stack Scrolling (scroll slice)	✔
Cine Playback (play frame)	✔
MPR (Axial/Coronal/Sagittal)	✘
Crosshair / Reference Lines (MPR sync)	✘
Multi-Viewport Layout (1x1, 2x1, 2x2, dst)	✘
3D DICOM Viewing	✘
Filmless Module	✘
SATUSEHAT Integration	✘

Spesifikasi Teknis

Modality Interface	3
Exams	5k/year
Radiologist License	Unlimited
Technologist (Radiographer License)	Unlimited
Clinician License	Unlimited
ULite (ZFP) Viewer License	10

Workstation



Intel Core i7 / AMD EPYC

Display 24 Inch

Storage Hardisk 1TB

SSD 256GB

RAM 16GB

Input Device (Keyboard, Mouse)

License OS Windows

Telah Dipercaya Banyak Fasilitas Kesehatan



HIS

RS ISLAM ARAFAH
JAMBI



LIS



HIS



HIS



CIS



HIS



HIS

RSUD SUNGAI BAHAR
JAMBI



PACS

RUMAH SAKIT
ADHYAKSA



RIS

RSUD OTO ISKANDAR DINATA
BANDUNG



HIS



RIS



RIS PACS



HIS

RS BHAYANGKARA BRIMOB
KELAPA DUA, DEPOK



HIS

RS MARINIR EWA PANGALILA
SURABAYA



HIS

RS ANNA MEDIKA
BEKASI



HIS

RS MEDIKA PERMATA HIJAU
KEBAYORAN LAMA



HIS



RIS



RIS



HIS



RIS PACS

RS DR SUYOTO
JAKARTA



PACS

BALI



HIS

RS RUMKITAL DR OEPOMO
SURABAYA



PACS

PS MINGGU, JAKARTA SELATAN



PACS


SIDOARJO, JAWA TIMUR



PACS

RS AU SALAMUN
BANDUNG, JAWA BARAT

PT DIMENSI ARTHA VISUAL

 Ruko Puri Mansion, Blok B No. 6, Jl. Lingkar
Luar Barat, Kembangan Selatan, Jakarta
Barat 11610

 info@dartech.co.id

 www.dartech.co.id