



VILLA  
SISTEMI  
MEDICALI

MEDICAL  
IMAGING



# Diva-D

RF Digital Imaging System



## When your goals are *image quality, efficiency* and *ease of use*, DIVA-D is the ideal solution

DIVA-D is the new digital acquisition system from Villa Sistemi Medicali, designed to offer the highest performance in Radiographic/Fluoroscopic and Digital Subtraction Angiography (DSA) applications.

DIVA-D has been designed with the aim to maximize the integration with Villa tables and generators to ensure the best image quality with minimum effort in every condition.

Dedicated programs for each application, including Digital Tomography, can be selected to optimize the entire imaging chain from exposure parameters to image processing algorithms, allowing you to concentrate on your patient, rather than on the equipment. Additional features, such as the possibility to choose the region of interest for the exposure parameters adjustment or the fully automatic zero point technique, allow a fine tuning of the system to each single exam.

The core of DIVA-D is a new high sensitivity CCD camera with a resolution of 1024x1024 pixels and an Analog-to-Digital conversion depth of 12 bits, equivalent to 4096 gray levels, that are preserved throughout the imaging chain: acquisition, processing, storage, display and network transfer. This translates into an accurate representation of every detail and ensures the maximum diagnostic result in every condition.

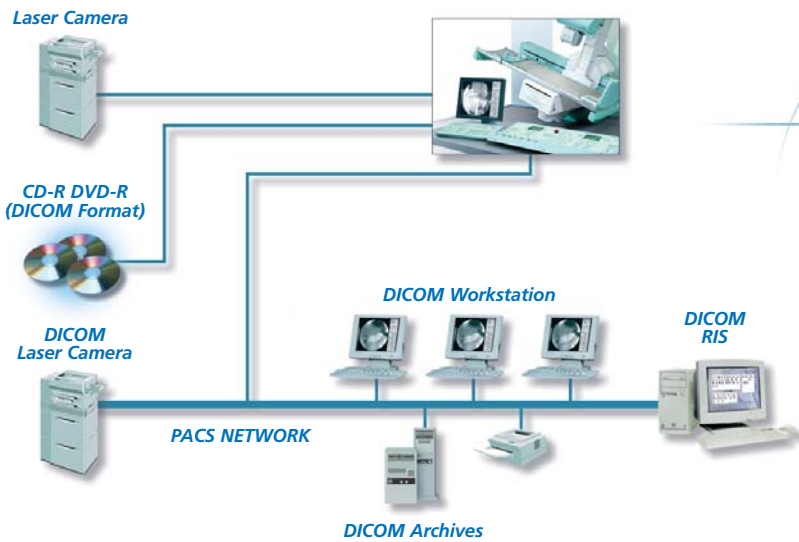
DIVA-D uses the "RAM-Disk" technology that stores all the images, in real time, directly onto the hard disk without any intermediate RAM memory buffer.

This means no reduction of the acquisition speed during the exam and no risk of losing images in case of a blackout.

The user interface has been designed with one main goal in mind: efficiency. The control keyboard has dedicated buttons that activate the most important functions at the touch of a key during time-critical procedures such as Digital Subtraction Angiography.



*The constant exchange of information in real time between DIVA-D and Villa generators translates into a highly integrated system that constantly sets every parameter to achieve the highest image quality in every examination condition.*



*DIVA-D adds the power of digital imaging to further enhance the workflow of your room.*



DIVA-D is available in two versions to comply with all your needs.

**DIVA-D RF-12** with an acquisition speed of up to 12 frames/sec 1K x 1K is the best solution for Gastro-Intestinal, Urological and ERCP applications.

**DIVA-D AS-25** features an acquisition speed of up to 25 frames/sec 1Kx1K and includes a Digital Subtraction Angiography package. This model is also equipped with Road-Mapping function and, if matched with the Apollo Remote Controlled Table, with an optional Stepping Angio package optimized for Peripheral Angiography.

All models operate in fluoroscopy at 25 frames/sec with 1024x1024 matrix, also in pulsed fluoro mode.

DIVA-D guarantees full connectivity to PACS networks thanks to the integrated Dicom interface that enables you to send images to the department imagers and provides connection to image reviewing stations or to archival units for long term storage.

WorkList class provides additional integration with the hospital HIS/RIS system for direct transfer of patient data to the acquisition station.

An optional CD/DVD writer can be supplied with the DIVA-D for immediate images backup directly at the system console.





VILLA  
SISTEMI  
MEDICALI

**Villa Sistemi Medicali long-standing experience at the service of our customers**



### **Competence in x-ray systems**

Villa Sistemi Medicali specialists can provide qualified information on new x-ray systems, room structure and installation and equipment positioning.

### **A wide range of equipment**

Villa Sistemi Medicali is among the major European manufacturers of radiological systems and offers a wide range of products, such as:

- Digital radiographic and angiographic systems
- Remote controlled tables
- Classical tilting tables
- General rad floating tables
- Chest stands
- Mobile units
- Surgical C arms
- HF Generators
- Dental units, Intra-oral and panoramic

### **Our priority: Technical Service**

A wide network of highly skilled service engineers ensures effective and reliable maintenance of all Villa Sistemi Medicali equipment installed worldwide.

Preventive maintenance programs and Service Contracts are adapted to the needs of our customers

### **Logistic services: a widespread presence**

Spare parts, accessories and consumables are shipped daily by Villa Sistemi Medicali to all its customers worldwide.