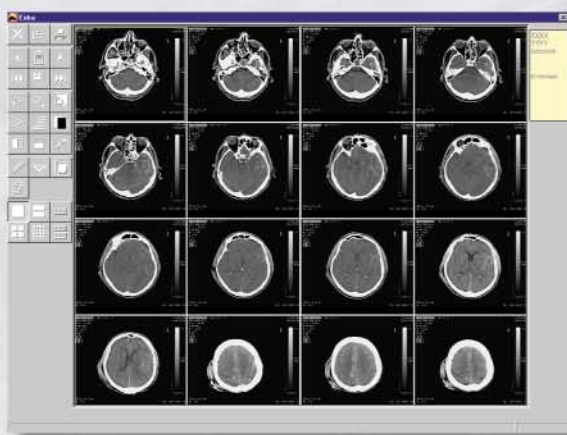


## INTEGRATED DIAGNOSTIC IMAGE ACQUISITION AND PROCESSING SYSTEM



EIDRA is a complete image management system. It can operate effectively throughout all stages of the process, starting from the acquisition from diagnostic apparatus with possible format conversion, through to advanced display and processing.



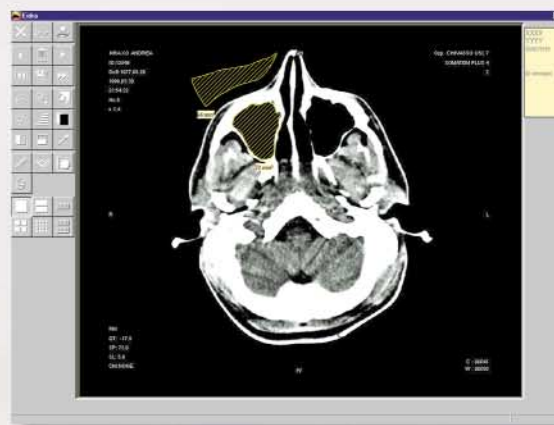
It has various areas of application. The ideal scenario is hospital structures which need easy management of centrally acquired medical images, but which can also be distributed to a large number of users.

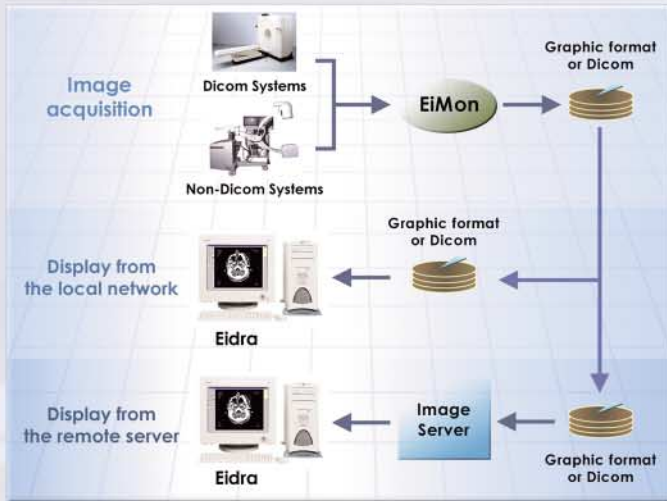
The EIDRA system has been developed by paying particular attention to ease of use and versatility, both in terms of the immediate interface with the user, and the complete external parameterisation of the processed formats.

The complex technology which deals with data and image acquisition and the subsequent processing is actually very clear, allowing the product to be used by a wide range of operators.

The system's advanced potential means that it works flexibly and efficiently, enabling operations such as:

- ✓ Automatic acquisition from analogue/digital equipment, or equipped with an interface for DICOM protocol.
- ✓ Acquisition of video signals from various sources (remote cameras, microscopes, monitors ...).
- ✓ Acquisition via TCP/IP protocols (ftp, http, ...).
- ✓ Printing on slides and photographic film (using suitable peripherals).
- ✓ Archiving on optical and magneto-optical disks (CD) (using the specific equipment).





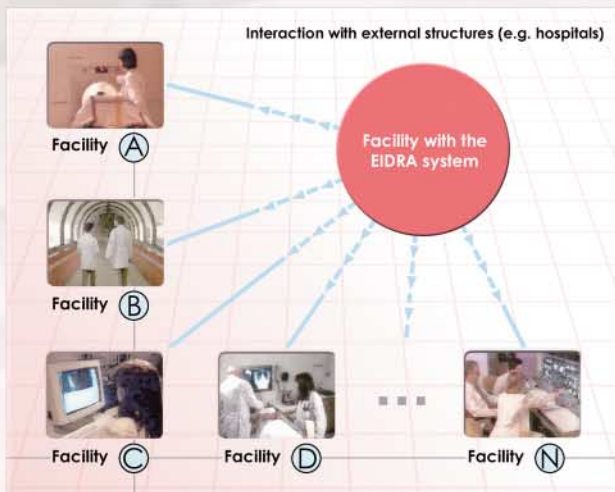
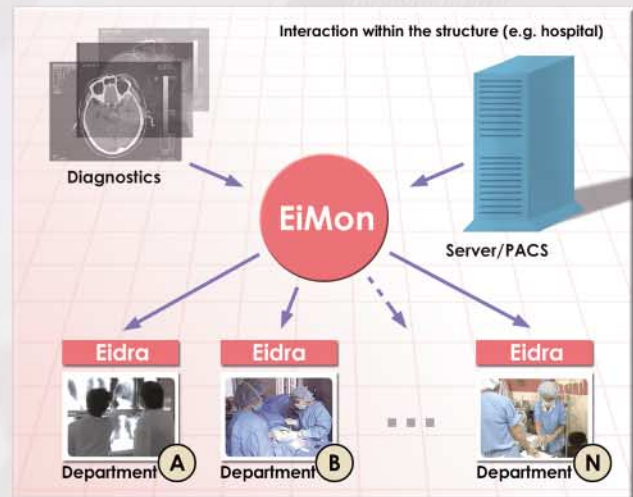
The EIDRA system is made up of two modules: EiMON, which acquires images in various formats, and a module for processing and managing images.

EiMON is able to download information directly from diagnostic equipment - whether they are DICOM or not - or from the connection to DICOM clients or PACS systems and to memorise them by simultaneously operating format or structure conversions.

The image processing module is not only able to work on information acquired via EiMON, but also on any other standard DICOM source or on elementary images in an extremely wide range of graphic formats.

Measurement functions may be used on the images (linear, angular, for surface area, volumes and intensity), for comparison between different analyses, for editing (brightness/contrast, contour lines, enlargements ...), exporting and printing.

EIDRA's flexibility allows distribution of the information acquired (data and images) to other operating sections connected to the system on which it is found.



This potential is particularly effective in different departments in the same hospital structure, which are then able to see (by using the image processing module) all the information provided by EiMON.

EIDRA is also perfectly suited to interactions on a wider scale, involving units connected between different structures distributed over a geographical area. One of the examples which best demonstrates this situation is hospital structures in different cities operating in complete synergy, sharing diagnostic information acquired centrally via EiMON.