

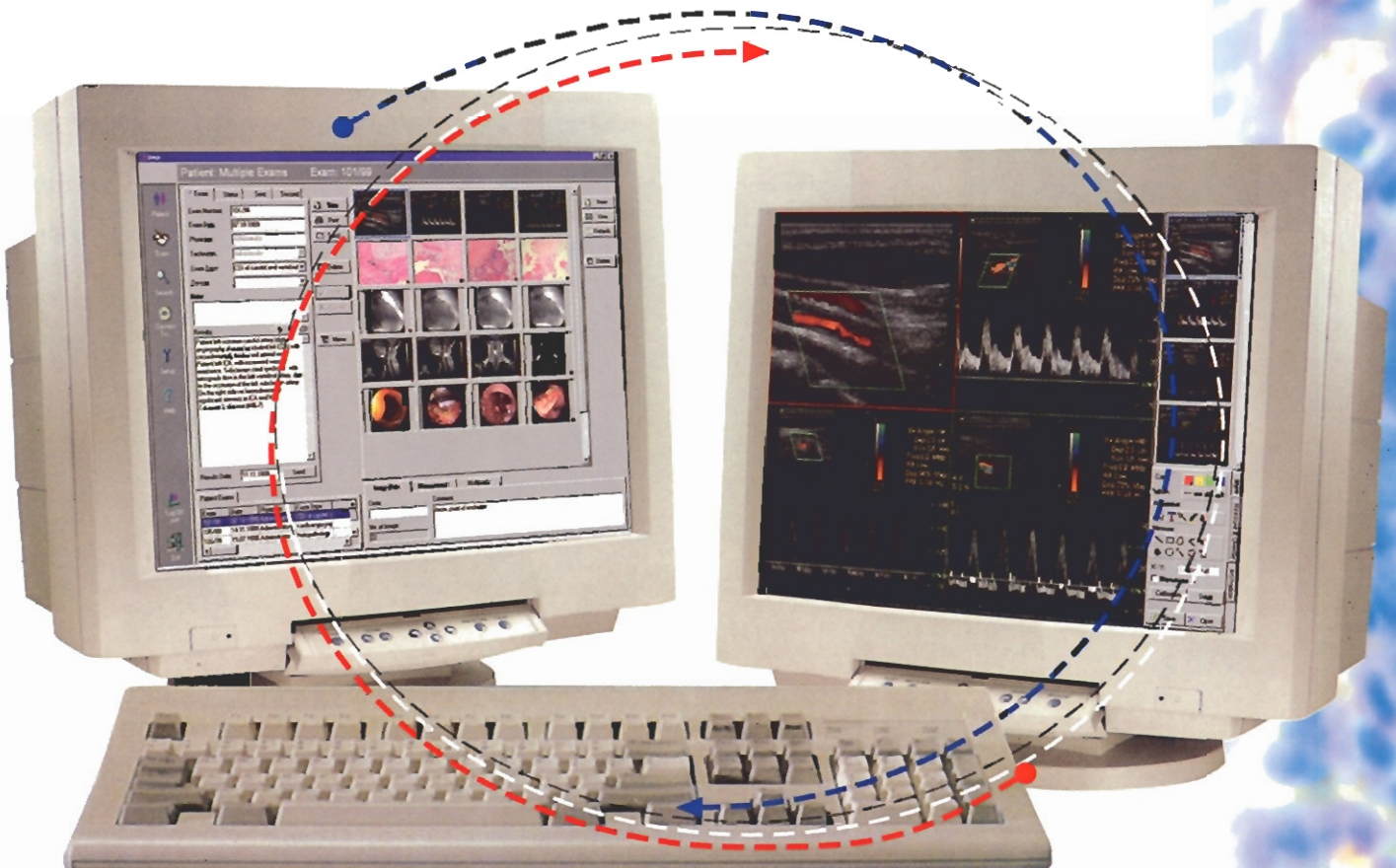
Visual Analysis and Measurement Systems Technology

Vamstec

Manipulation and distribution of medical images in electronic form, combined with patient - examination data, is a proven method to harness visual energy from medical imaging equipment and convert it into more efficient and improved health care service. Based on the latest technology, VAMSTEC products provide scalable, secure, and affordable multimodality image - data management systems easily configurable for any day-to-day work flow requirements in both small and large medical units.

VAMSTEC systems facilitate:

- Capturing images with supreme quality from all medical imaging devices
- Patient oriented archive of complete examination and imaging medical records
- Fast and economic storage and retrieval
- Computerized workflow coverage
- Diagnostic tools
- Interactive and store-and-forward imaging telemedicine
- Intuitive and user friendly environment





ISSA is a medical information archiving system designed to organize a wide variety of data types including patient demographics, medical examination findings, notes, and medical images. Issa is the unique "patient centered" imaging solution focused on the creation of patient profiles, consisting of vital patient information, including images that travel with the patient throughout their medical history. Due to multimodality, Issa holds easily retrievable, permanent patient medical imaging records.

ISSA STAND ALONE

Stand alone Issa combines the power of:

- acquisition of static and dynamic images from all, Dicom or non-Dicom, medical imaging modalities,
- efficient and economic archiving of complete examination records integrated with all images and data-documents collected during examination,
- scheduling,
- search according to user defined keys,
- exceptionally powerful diagnostic viewing module which facilitates zoom, pan, window/level manipulation, cine loop, textual, graphical or voice annotations, measurements...
- multi-monitor support,
- predefined diagnose descriptions and/or use of ICD-9 (ICD-10),
- numerous print options enabling printing to various printers in customizable formats,
- export of images, examinations, and data base segments to removable media (CDs, MODs...) for extensive archival or distribution purposes.

Enhanced with Pharos, Issa stand alone turns into a powerful imaging telemedicine workstation, enabling users to exchange ideas, concepts, data and images in store-and-forward mode, or completely interactively using unique, multi-point whiteboard capability. All events are logged and easily retrieved for legal purposes. The telecommunication network needed performs on POTS, ISDN, DSL, (F)T1, Internet, or any TCP/IP based network.

VAMSTEC performs on a single PC workstation in an easy-to-use, highly intuitive environment.

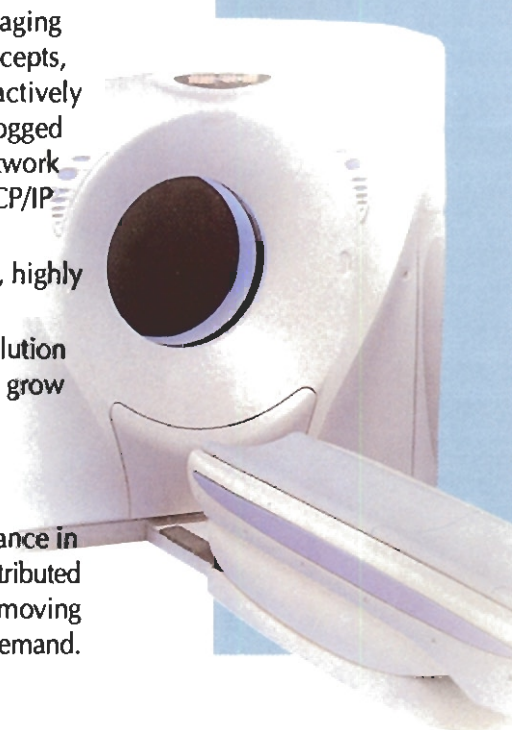
Numerous installations show that Issa Stand Alone is the ideal solution for smaller medical units but is also fully scalable, and can easily grow into large facility workflow coverage.

ISSA NETWORK

Various client - server software modules give rise of Issa performance in hospital environment. Patient examination records could easily be distributed throughout the facility wherever and whenever needed. Instead of moving films and papers all relevant data travel across the network on user demand.



Issa Diagnostic Viewer is a client application carefully designed to meet medical specialist requirements. Highly intuitive, single or multi-monitor, user interface enables easy retrieval of examination records, image manipulation and processing, image annotation, measurements, voice dictation, typing in diagnoses and other medical data, play of cine loops, user definable default display appearance...





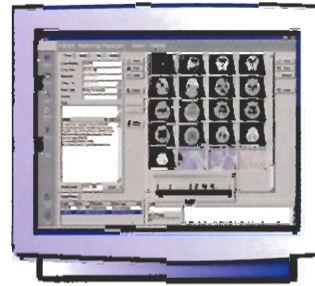
Issa Typist is an application for typist workstation where voice dictation can be replayed and typed in examination form. When typed, examination is returned to the specialist for typing error correction and final approval.



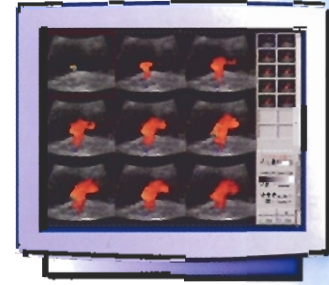
Issa Front Desk is a client software support designed for reception desk application. Here, new patient examination records are generated, scheduled and assigned to given modality and to given specialist, depending on the type of examination.

Issa Server is a dedicated server application designed according to all regulations and recommendations of medical authority institutions. It enables easy and simple administration and database maintenance. It is scalable to meet growing requirements both in size and performance of the network. Software easily handles on-line and off-line mass storage media management, data/image storage to local HD, RAID or large, terabyte capacity, DAT or MOD juke boxes. It supports centralized and distributed database topologies. From the user side, actual location of data requested is irrelevant. Software handles images of most of the known digital formats including Dicom, pre-fetch list is generated and executed based on the data in the worklist, user application profiles are customizable for various authorization levels and automatization of workflow management is enabled.

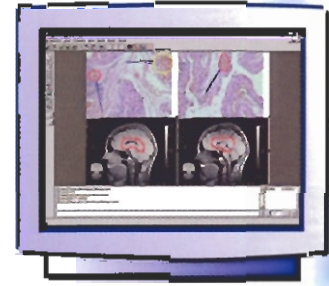
Issa Acquire is a workstation software that enables acquisition of diagnostic quality images from all medical imaging modalities, regardless of whether these are Dicom compliant or not. Acquisition is enabled from scanners and other modalities having nonstandard and standard, black and white or color video output, both for static images or live video sequences.



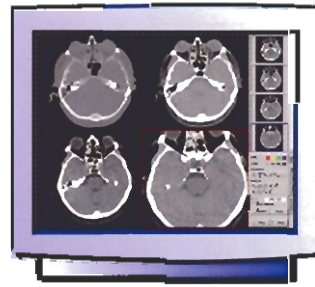
Referring Physician



Remote Specialist



Second Opinion



Remote Hospital

