



PIXRAY

CE0120

FILMLESS REAL-TIME LOW DOSE DIGITAL X-RAY IMAGING SYSTEM FOR MEDICAL DIAGNOSIS AND INTERVENTIONAL RADIOLOGY.

PIXRAY (Picturing X-RAYs on-line) is a new generation filmless X-ray system.

POSSIBLE APPLICATIONS:

- Ø Radioscopy
- Ø Mammography
- Ø Neurosurgery
- Ø Casualty Department
- Ø Plaster room
- Ø Hand surgery
- Ø Craniofacial surgery
- Ø Angiography
- Ø Radiography, etc.



Hand in plaster: by changing the contrast setting, one can see, in a single X-ray shot, either the plaster and the soft tissues or the bones.



Image with a micro-focus X-ray generator of 5 µm and PIXRAY with a pitch of 50 µm.

NEW !!

Very high resolution images, never seen until now.

BioScan launches a new generation system configuration presenting a micro-focus X-ray generator of 5 mm and a digital detector 12 cm x 12 cm which pixel size is of 50 µm x 50 µm.

BREAST MICROVISION
EARLY BREAST CANCER DETECTION

ANIMAL-VIEW
PORTABLE DIGITAL X-RAY EQUIPMENT FOR VETERINARY APPLICATIONS

X-VIEW
DIGITAL IMAGING AND CONTROL SYSTEM FOR NDT

PIXRAY
LOW RADIATION, HIGH CONTRAST DYNAMIC IMAGING SYSTEM

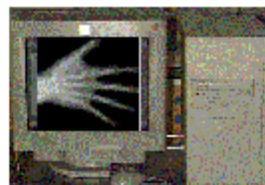
IRIS
DYNAMIC IMAGING AND MONITORING SYSTEM FOR RADIOTHERAPY



PIXRAYC_E



Model PIXRAY-41



Model PIXRAY-20

Specifications are subject to change without notice.

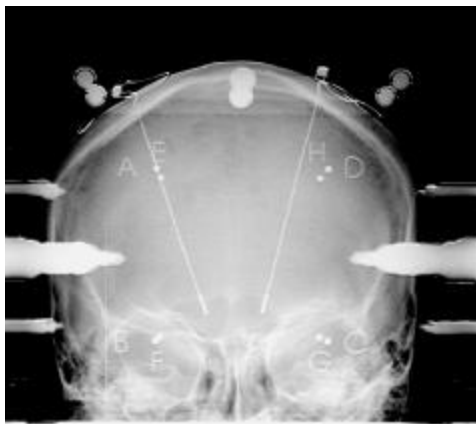
Release : 01/03/07

PIXRAY can be **easily integrated in standard X-ray radiography equipment** for acquisition of **real-time images** with significant dose reduction (**up to 100 times**) and **better contrast resolution** in comparison with the standard film technique.

With PIXRAY, one does not need any consumables and development equipment.

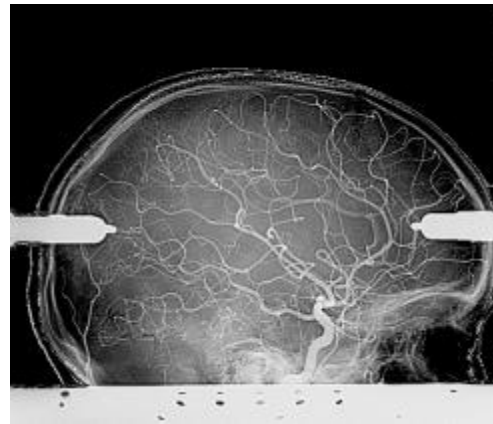
The dynamic images are directly displayed on the PC monitor and archived in digital format using a **very user-friendly** image processing software **PIX-View**.

Thanks to PIX-View **telemedicine is made possible**. The medical information can be transferred through the PACS or Internet networks.



Electrodes introduction in the treatment of Parkinson disease.

PIXRAY is very compact and is capable of **producing up to 30 pictures per second**, in real-time. It uses a large area pixel matrix (12 cm x 12 cm, 20 cm x 20 cm or 41 cm x 41 cm) based on a solid state sensor.

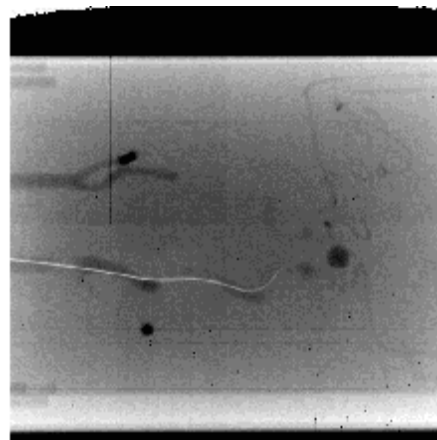


Arterioscopy.

The most important advantages of PIXRAY are:

Ø **significant dose reduction**, which diminishes the risk of radiation injury for the patient during lengthy or repeated diagnosis and interventional procedures and also the doses received by the personnel.

Ø **wide dynamic range** (up to a 16-bit resolution ADC) to follow-up, for example, fracture recovery under plaster.



Interventional radiology: human vascular model with a standard catheter.

Since 1990 the activities of BioScan Switzerland focus on biomedical X-ray imaging and non destructive testing (NDT). BioScan designs, manufactures and commercializes really new products using cutting-edge technology.