



# SKAN C

## High Frequency Mobile Surgical C-Arm

NEUROLOGY | PERIPHERAL VASCULAR | UROLOGY | CEREBRAL ANGIOGRAPHY  
PAIN MANAGEMENT | GASTROINTESTINAL | ORTHOPAEDICS | REPRODUCTIVE



## Nothing is Opaque

At Skanray 'Nothing is Opaque'. Skanray not only enables diagnosis of human anatomical and physiological abnormalities and measurement of vital signs, but is also governed by its philosophy of 'transparency' in all its transactions with its customers, investors, suppliers and business associates.

Skanray follows a fair and transparent pricing policy to ensure that its customers save their precious time and money.

## Global Footprint

With its state-of-the-art manufacturing and R&D facilities spread across three continents and a large portfolio of medical devices, Skanray provides Total Healthcare Solutions to primary care clinics and hospitals by bringing in the best of design and technology from across the globe.

With a 700 member strong team, Skanray has one of the largest congregations of biomedical and business professionals in healthcare industry.

## International Compliance

Skanray's products are designed and developed under stringent quality processes and facilities that have been certified by international agencies. Several of our products have **FDA/CE/UL** approval while the rest are designed for global compliance and ready for certification when needed by the customer.

## Life Cycle Support

Skanray designs and manufactures in-house each of its products across plants in Bologna, Bangalore, Mysore and Sao Paulo, and ensures that the customer gets relevant technology upgrades, service support throughout the life of the product. Skanray stocks adequate spares for obsolescence management and technology upgrades so that micro components do not cause a need for equipment replacement.

With over 100 dealers and 50 Service franchisees, the Sales and Service network of Skanray is one of the strongest in the industry. With a large pool of trained and qualified service engineer professionals, we offer the best uptime as compared to the industry standards.

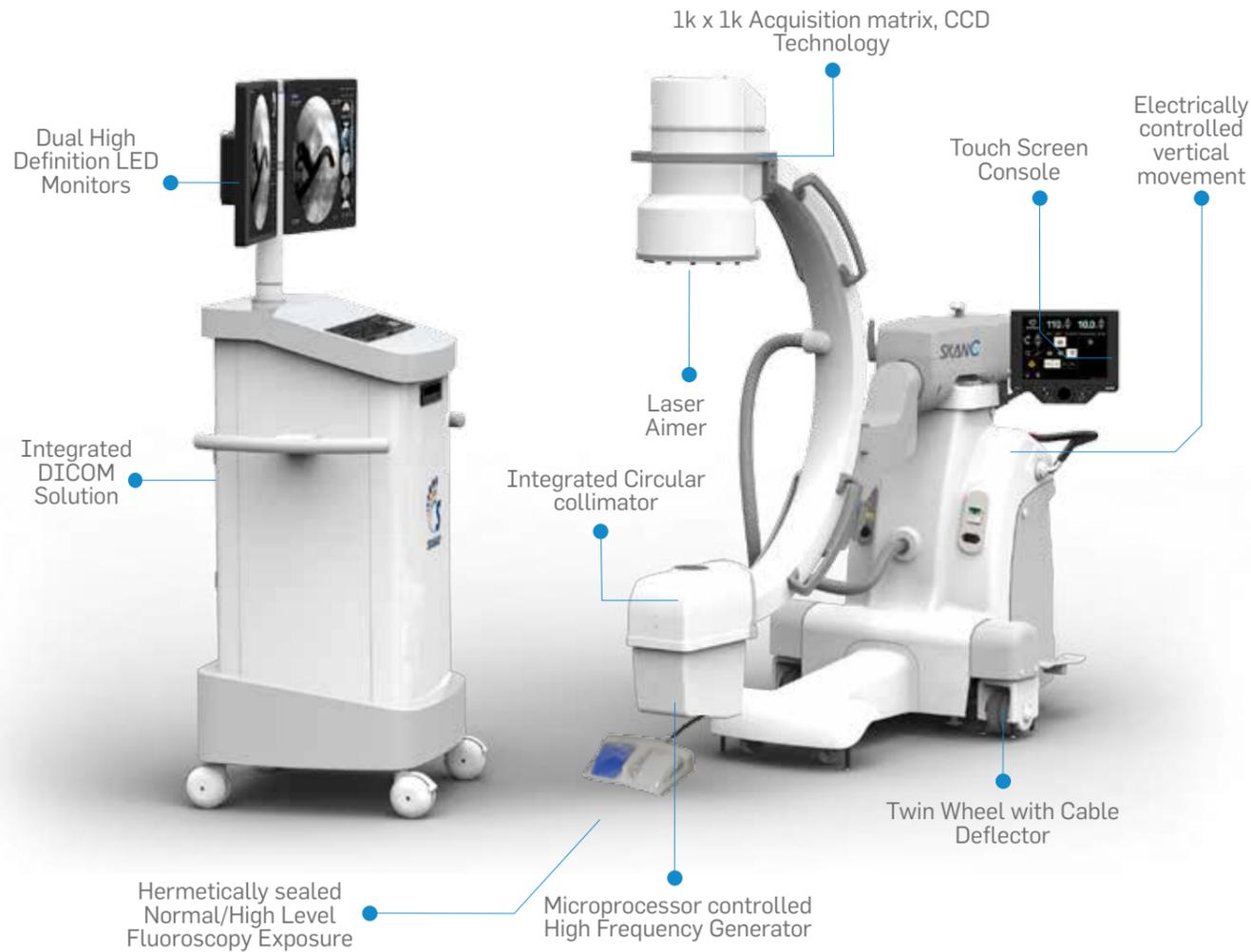
## Awards and Accolades

Skanray is one of the fastest growing Global Medical Devices and Primary Healthcare Solutions company. It has been recognized by Red Herring, Frost & Sullivan, Forbes, Indian Electronics and Semiconductors Association and TiE -Lumis for its innovation and business excellence.



# SALIENT FEATURES

**SKAN C**



- ▶ Safest C-Arm in its class with virtually zero leakage radiation.
- ▶ 40 -110 kV and 0.2 - 8 mA in continuous Fluoroscopy and up to 10mA in Snap Shot: Wide parameter range covers most procedures including obese patients.
- ▶ 3.5kW (220VAC) / 2.2kW(110VAC) RAD mode with high performance with switching range from 80-250kHz.
- ▶ Pulse Fluoroscopy Mode up to 12mA, produces good quality images with minimum effective exposure to radiation.
- ▶ Vascular Mode with DSA, Trace and Road Map tools for efficient vascular applications.
- ▶ Image Capture with 1k x 1k resolution for exceptional image quality.
- ▶ Multi-Mode functionality accommodates vascular, pulsed fluoroscopy, RAD and fluoroscopy.
- ▶ Virtual Collimation allows ROI selection without additional exposure, reducing the dose induced to patient.
- ▶ Multi-Window Interface up to 2x2 windows for Print Modality
- ▶ Storage of over 100,000 images eliminating the need for constant image backup.
- ▶ Laser Aimer for accurate positioning of the patient, without radiation.

# PROCEDURES

## Gastrointestinal

- ▶ Endoscopic Retrograde Cholangiopancreatography
- ▶ Barium Meal
- ▶ Gastric Band Adjustment
- ▶ Small Bowel Series
- ▶ Nasojejunal Intubation
- ▶ Colostomy/Ileostomy Studies
- ▶ Percutaneous Transhepatic Biliary Drainage (PTBD)
- ▶ Paracentesis and Peritoneal Port Placement
- ▶ Percutaneous Endoscopic Gastronomy (PEG)
- ▶ Transjugular Liver Biopsy
- ▶ Laparoscopic Cholangiography
- ▶ Biliary Stent Placement
- ▶ Feeding Tube Placement



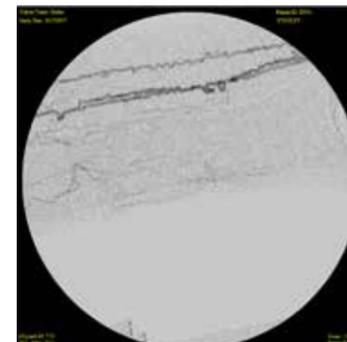
## Peripheral Vascular Imaging

- ▶ Angiography - Cerebral and Peripheral
- ▶ Angioplasty - Cerebral and Peripheral
- ▶ Stenting
- ▶ Thrombectomy
- ▶ Embolization

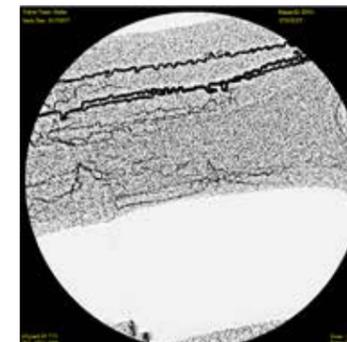
Cerebral



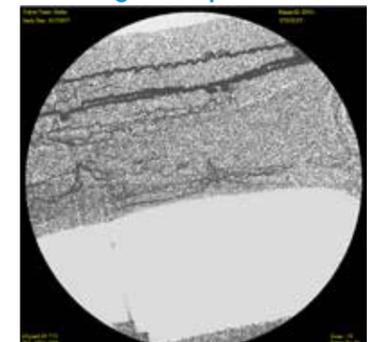
Normal



Enhance



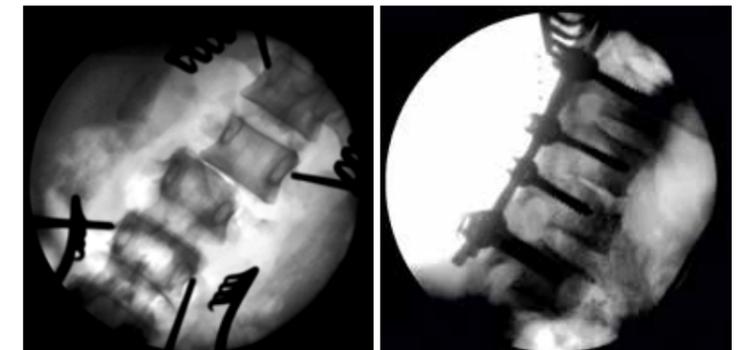
Histogram Equalisation



## Neurosurgery

- ▶ Lumbar Puncture & Discectomy
- ▶ Epidural Steroid Injections
- ▶ Carotid Artery Stenting
- ▶ Diagnostic and Therapeutic Spinal Angiography & Spine Biopsy

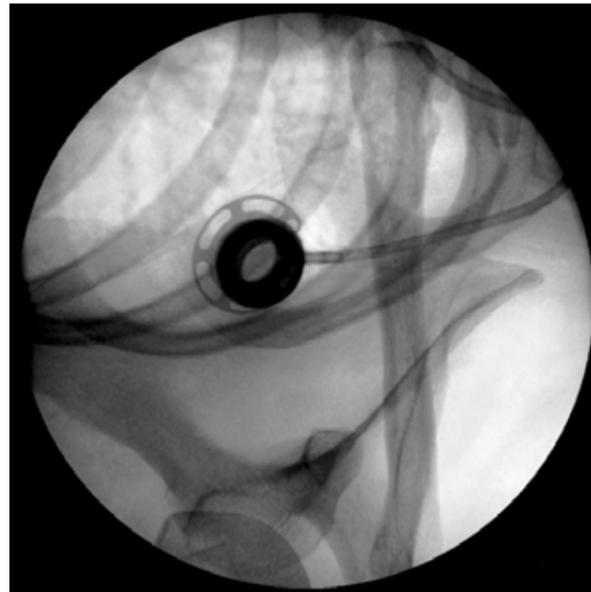
**Compatible with major Neuro-navigation systems**



# PROCEDURES

## Pain Management & Anaesthesiology

- ▶ Selective Nerve Root Block (SNRB)
- ▶ Discography
- ▶ Cervical and Lumbar Facet Injections
- ▶ Epidural Injections
- ▶ Myelogram
- ▶ Spinal Cord Stimulators
- ▶ Intradiscal Electrothermal Annuloplasty (IEA)
- ▶ Catheter placement



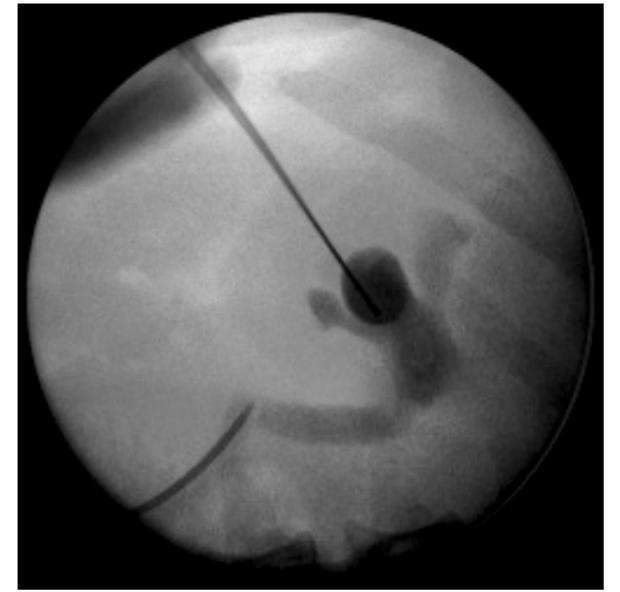
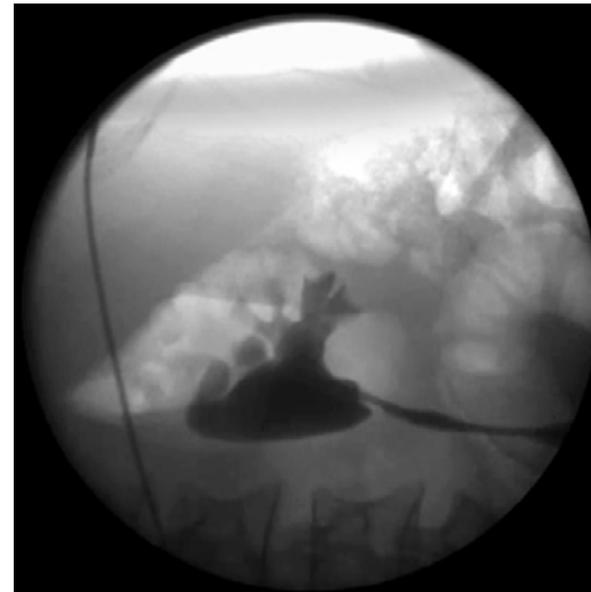
## Orthopaedic

- ▶ Closed Reduction Internal Fixation (CRIF)
- ▶ Open Reduction Internal Fixation (ORIF)
- ▶ Hip Fixation
- ▶ Long Bone Nailing
- ▶ Vertebroplasty / Khyphoplasty
- ▶ Bone Biopsy
- ▶ Intra-articular Steroid Injections
- ▶ Arthrography
- ▶ Joint Aspiration

## Urology

- ▶ Extracorporeal shock wave lithotripsy
- ▶ Ureteroscopic Lithotripsy (URSL)
- ▶ Percutaneous Nephrolithotomy (PCNL)
- ▶ Cystogram +/- Micturating Cystourethrogram
- ▶ Retrograde Urethrogram
- ▶ Retrograde Pyelogram
- ▶ Intravenous Pyelogram (IVP)
- ▶ Urostomy (Ileal Conduit) Studies
- ▶ Renal Biopsy & Renal Artery Stenting

Compatible with major  
ESWL systems



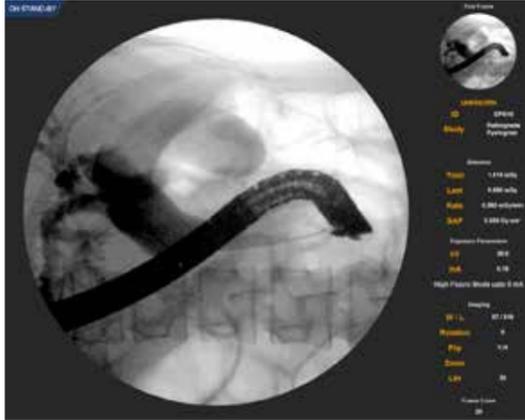
## Reproductive

- ▶ Uterine Artery Embolisation / Uterine Fibroid Embolisation
- ▶ Hysterosalpingogram (HSG)
- ▶ Varicocele Embolisation



# ATTRIBUTES

## Airkerma on display



Airkerma : The total Airkerma for each Patient at the normal Patient distance from X-ray source is displayed along with Dose per procedure, Dose rate and Dose Area Product on the Live Monitor.

## DSA & Roadmap

- ▶ Ease of operation
- ▶ Repeated Mask selection feature
- ▶ Peak Opacification feature
- ▶ Auto Roadmap marking
- ▶ Better subtracted image quality



## Multi-Window

- ▶ Multi-Window Interface for reference images
- ▶ Freeze/Unfreeze option

## Edge Enhancement

- ▶ Enhances the edge contrast of an image to improve its acutance (apparent sharpness).



## Other Features

- ▶ Small footprint
- ▶ Clean power from mains through UPF control
- ▶ Counter balanced C for ease of posturing and comfortable operation.
- ▶ Overscan / Underscan:  $-40^{\circ}/+90^{\circ}$ .
- ▶ Line Measurement to measure bones or screws during the surgery.
- ▶ Image Intensifier Magnification from 9, 6 and 4.5 inches can be achieved.
- ▶ Auto Technique for consistent image quality under varying anatomy densities.
- ▶ Images processing such as Zoom, flip, invert, torch and median.
- ▶ Image rotation on both active and passive monitors when offline.
- ▶ Snapshot feature produces Digital Radiography image quality in fluoro mode.
- ▶ Image Annotations feature to record and communicate the observations.
- ▶ Studies can be saved in MKV video, JPEG & DCM image Formats.
- ▶ Security Enabled for unintended user with Login Facility.
- ▶ DICOM 3 Complaint Image transfers to PACS / Printer.
- ▶ Manual and Auto-save option for images and video.
- ▶ Manual APF table and APR to select kVp and mA.

## Line Measurement



## Torch Application



# USER INTERFACE

# DOSE REDUCTION FEATURES



## Touch Screen Console

- ▶ 10.4" TFT LCD Touch Screen Display
- ▶ 230 cd/m<sup>2</sup> Brightness
- ▶ SVGA 800(H) x600(V) resolution
- ▶ Anti-glare display with wide viewing angle
- ▶ Supports optical encoder and hot keys for ease of operation
- ▶ Laser aimer control
- ▶ Menu driven user friendly operation

## Keyboard

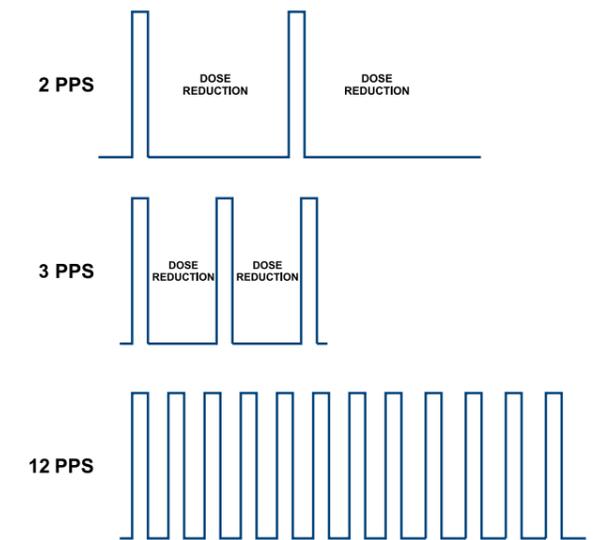
- ▶ Elegant Integrated Keyboard
- ▶ Built in Touch Pad
- ▶ Compact and slim design



## Laser Aimer



## Pulse Fluoro



Pulse Fluoroscopy settings: 2, 3, 4 ..... 12



## Virtual Collimation

- ▶ Perfect circular collimation
- ▶ Collimated region shown on live monitor without administering any exposure
- ▶ Soft shutter for dense anatomy display along with soft tissue
- ▶ Rotation of collimator to the ROI



## Iris Collimation

- ▶ 9 steps of Iris collimation

For more details



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RADIOLOGY



MONITORING



CARDIOLOGY



ANAESTHESIA



VENTILATION



DENTAL



SURGERY



TELE SOLUTIONS



VETERINARY

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Skandray continuously upgrades its technology, performance and safety features. Pictures and specifications featured in this catalogue are only indicative. Please refer to the commercial offer document for specifications and performance.

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