

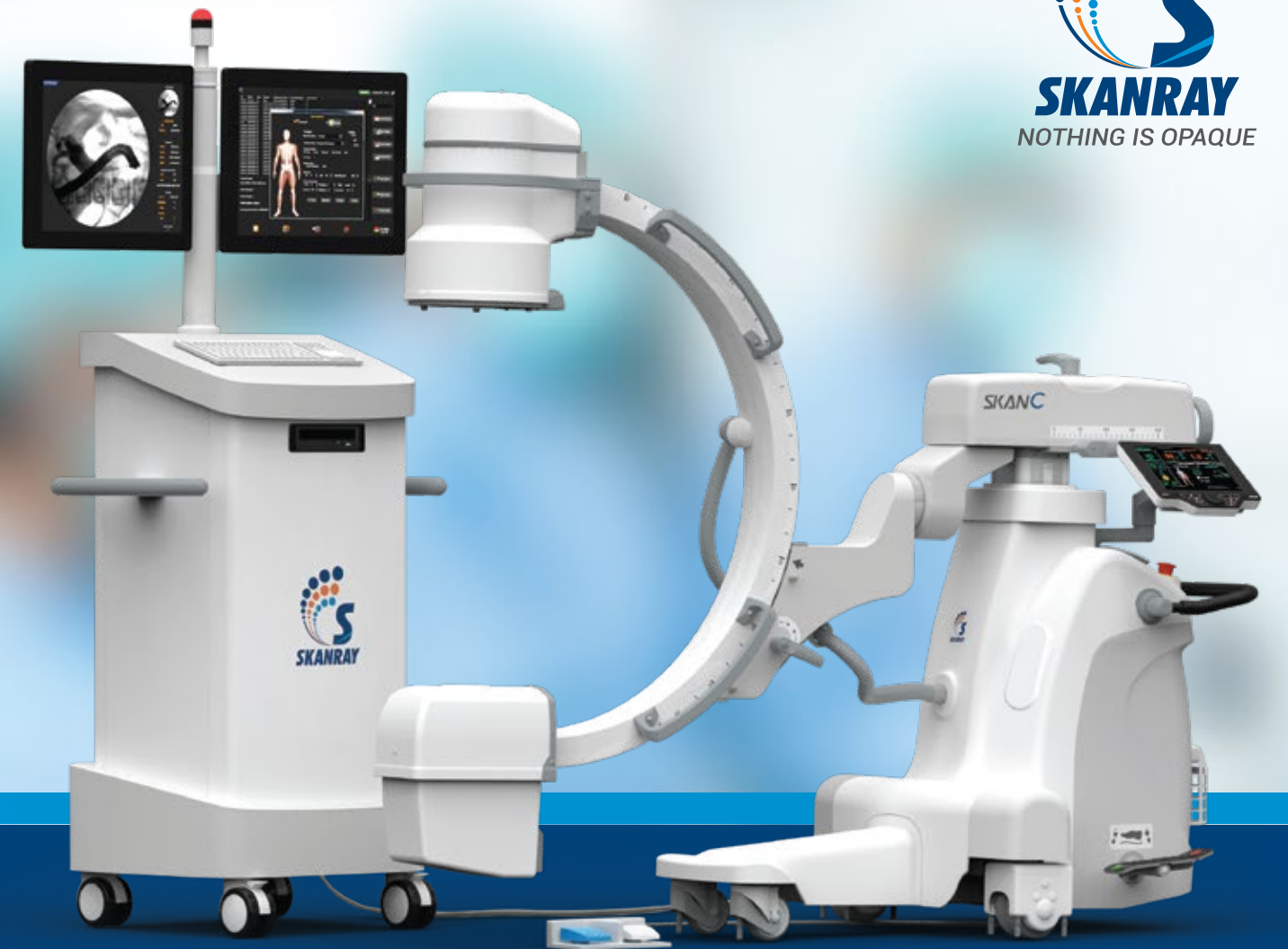
Skanray USA Inc.
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Manufacturer:
#15-17 Hebbal Industrial Area, Mysore - 570016, Karnataka, INDIA.

Skanray 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.

515-003221-2_Rev 2

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CE 0843 FDA 510K
CLEARED

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.

International Compliance

Skanray's products are designed and developed under stringent quality processes to meet global compliance requirements. Several of our products, made from multiple locations, have FDA/CE/UL approval while the rest are designed for global compliance and ready for certification when needed by the customer.

Awards and Accolades

Skanray is one of the fastest growing global medical devices and primary healthcare solutions company. It has been recognized by Forbes, Frost & Sullivan, TIE-Lumis, IESA, Red Herring & Economic Times for business excellence and values.



100,000+

Medical Equipments
Installed
Across the Globe

50+

World Class
Products

7

Manufacturing
Plants
Globally

80+

Advanced
Technology
Patents

700+

Medtech
Professionals



Key Features



- ▶ 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 - 240VAC) / 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
- ▶ Storage of over 100,000 images eliminating the need for constant image backup
- ▶ Laser Aimer for accurate positioning of the patient, without radiation

Procedures

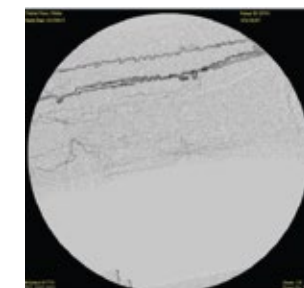
Gastrointestinal

- ▶ 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

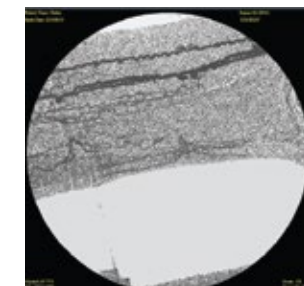
- ▶ Angiography - Cerebral and Peripheral
- ▶ Angioplasty - Cerebral and Peripheral
- ▶ Stenting
- ▶ Thrombectomy
- ▶ Embolization



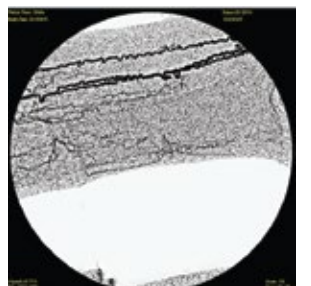
Normal



Cerebral



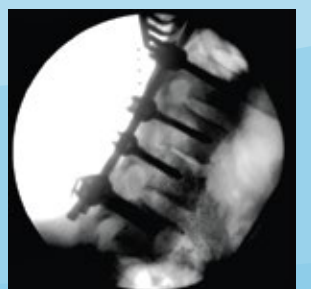
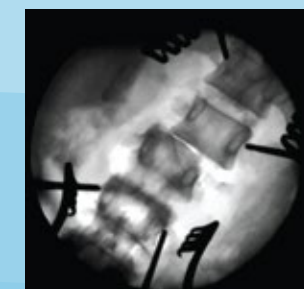
Histogram Equalisation



Enhance

Neurosurgery

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



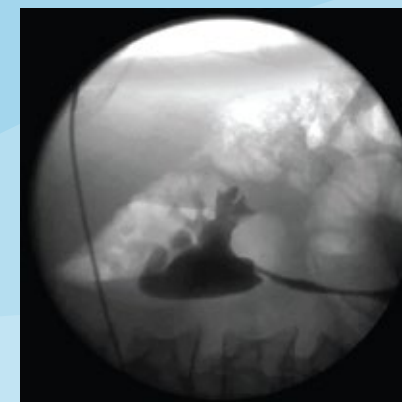
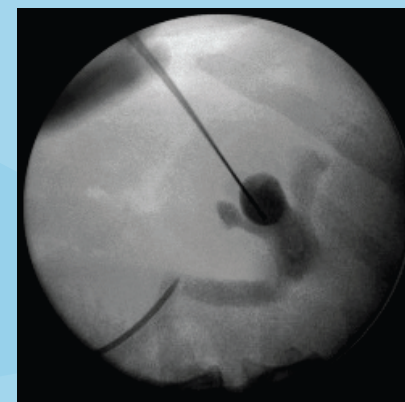
Pain Management & Anaesthesiology

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



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



Laser Aimer



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



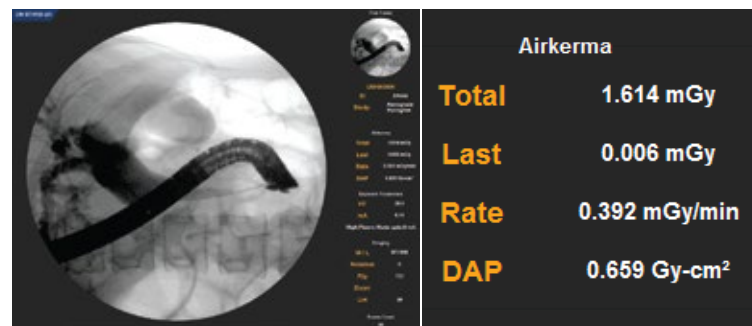
Other Applications

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

Enhanced Usability

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°/+90°
- ▶ 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 Compliant - Send, Receive, Print, DicomCD, MWL, MPPS
- ▶ 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

Touch Screen Console

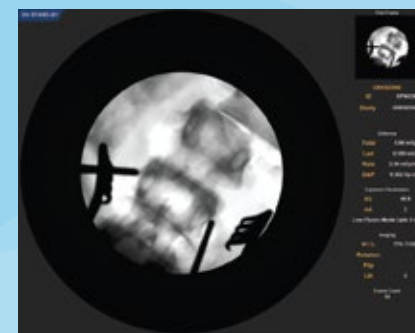
- ▶ 10.4" TFT LCD Touch Screen Display
- ▶ 67 ft-L Brightness
- ▶ SVGA 800(H)x600(V) resolution
- ▶ Anti-glare display with wide viewing angle
- ▶ Supports optical encoder and hot keys for ease of operation
- ▶ Laser aimer control
- ▶ Menu driven user friendly operation



Dose Reduction Features

Virtual Collimation

- ▶ Virtual simulation of collimated area without exposure
- ▶ Controls soft shutter for dense anatomy display along with soft tissue
- ▶ Collimator rotation control to align with the ROI



Iris Collimation

- ▶ Perfect circular collimation
- ▶ 9 steps of Iris collimation

Technical Specifications

X-Ray Tube	
X-Ray Tube Type	Fixed Anode
Nominal Focal Spot Value	0.6/1.8 as per IEC60336
Maximum Anode Heat Capacity	56kHU
Maximum Housing Heat Capacity	1150kHU
Total Filtration	>0.1 inch (2.5mm) of Al eq.
HF X-Ray Generator	
Mode of Operation	Fluoroscopy, Radiography
Maximum Output in Large Focus	[2.2kW (110V) / 3.5kW (220 - 240V)] For 100mS
Maximum Continuous Output in Small Focus	500W [10mins]
kV Range	40 - 110kV
Maximum Tube Current(Large Focus)	70mA @ 50kV, 32mA @ 110kV [220 - 240VAC] 55mA @ 40kV, 20mA @ 110kV [110VAC]
Frequency	80 - 250kHz

Continuous/Pulsed Fluoroscopy	
mA Range for Continuous Fluoro	0.2 to 8mA
mA Range for Pulsed Fluoro	0.2 to 12mA
Digital Snap Shot	0.2 to 10mA
Radiography	
kV and mAs Range	40 to 110kV, [0.5 to 200mAs (110VAC) / 0.5 - 240mAs (220 - 240VAC)]
Collimator	
Collimation Types	Hard & Soft Shutters with Circular IRIS
Mechanical Specifications	
Immersion Depth	26 inches
Clear space (free space)	≈ 30 inches
Vertical Travel	≈ 18 inches
Horizontal Travel	≈ 8 inches
Orbital Motion	-40° to +90°Max.