

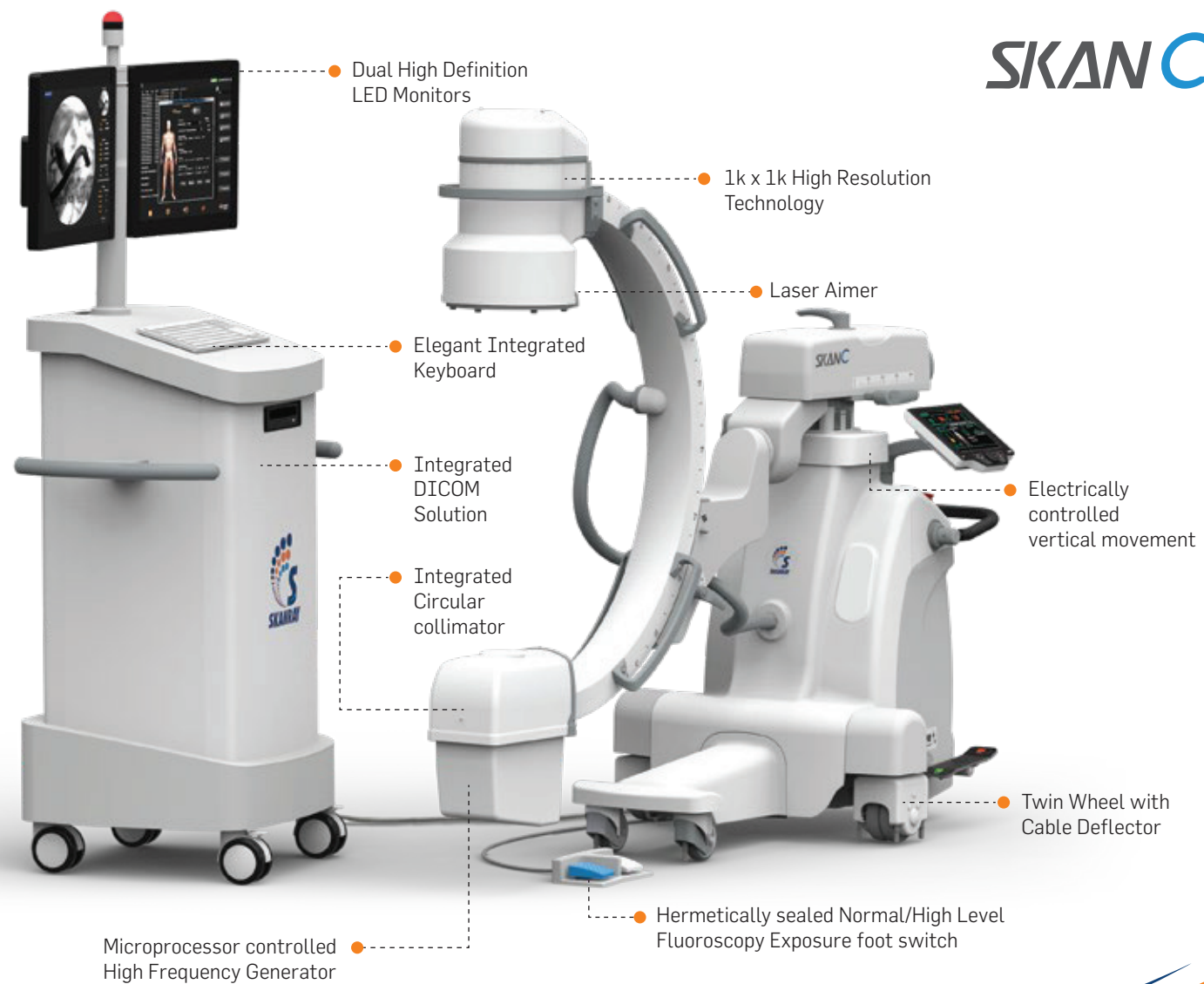
CE CERTIFIED
FDA 510K CLEARED

SKAN C

High Frequency Mobile Surgical C-Arm

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

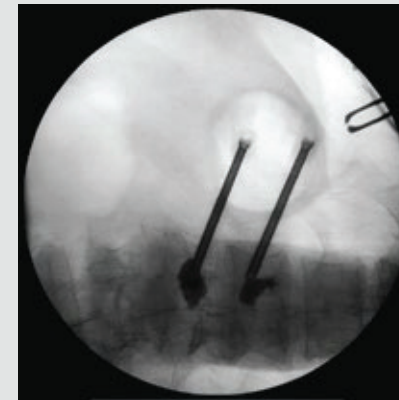
Key Features



- ▶ 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 mode: Wide parameter range covers most procedures including obese patients.
- ▶ 3.5kW (220VAC - 240VAC) / 2.2kW(110VAC) RAD mode with high performance switching range from 80 - 250kHz.
- ▶ Pulse Fluoroscopy Mode up to 12mA, producing good quality images with minimum exposure to radiation.
- ▶ Vascular Mode with DSA, Trace and Road Map tools for efficient treatment.
- ▶ 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 irradiating.

Procedures

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.

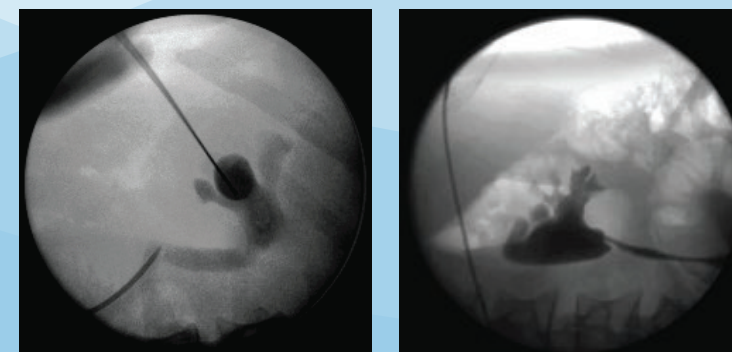
Gastrointestinal

- ▶ Endoscopic Retrograde Cholangiopancreatography.
- ▶ Barium Solvent.
- ▶ 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.



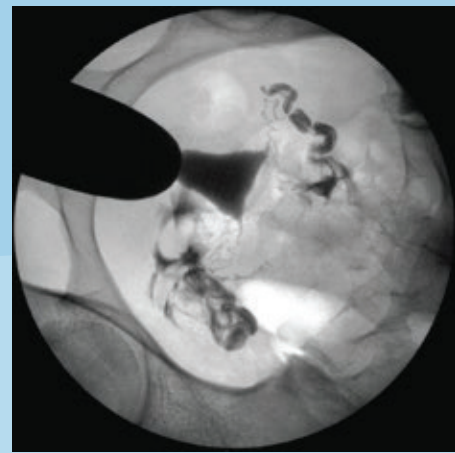
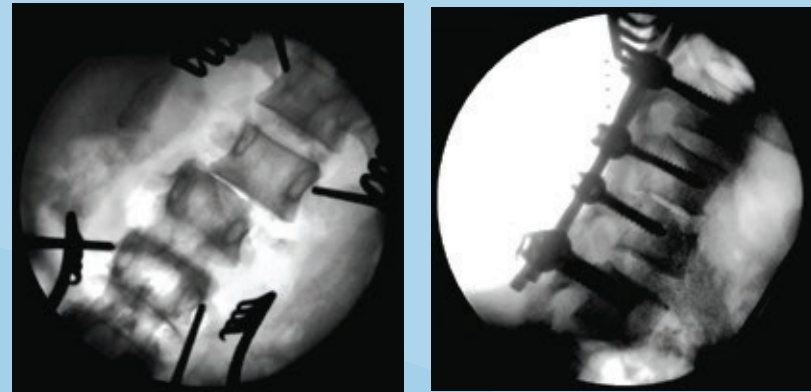
Urology

- ▶ 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.



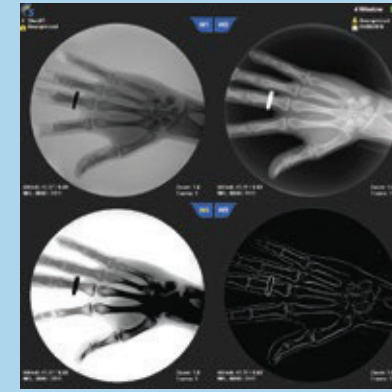
Neurosurgery

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



Other Applications

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



Multi-Window

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



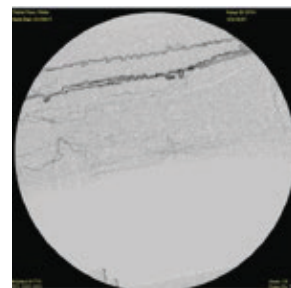
Panning

- ▶ Panning feature allows to move the image around the canvas.
- ▶ Helpful when image is Zommed out.



Edge Detection

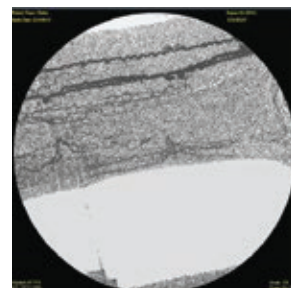
- ▶ Edge detection is an image processing technique used to find the boundaries of objects within images.



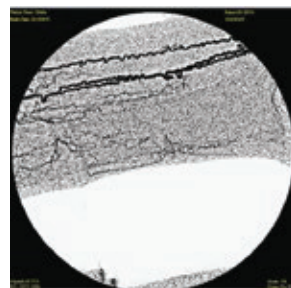
Normal



Cerebral



Histogram Equalisation



Enhance

Peripheral Vascular Imaging

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

DSA & Roadmap*

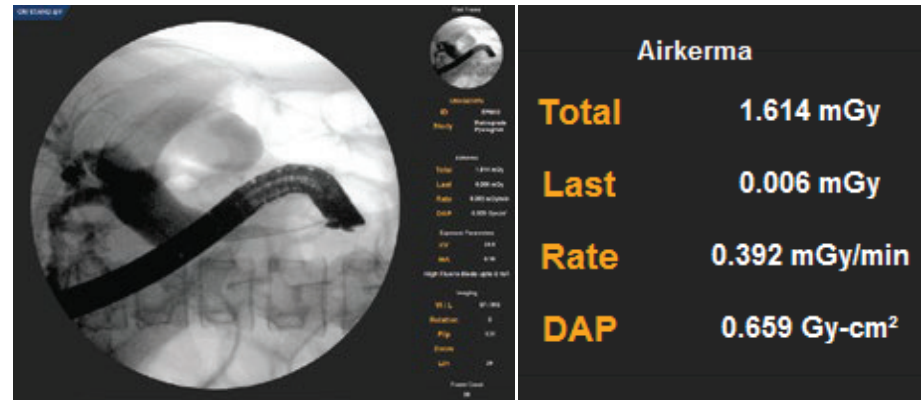
- ▶ Ease of operation.
- ▶ Repeated Mask selection feature.
- ▶ Peak Opacification feature.
- ▶ Auto Roadmap marking.
- ▶ Better subtracted image quality.



*Come as standard package in all Skan-C

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.

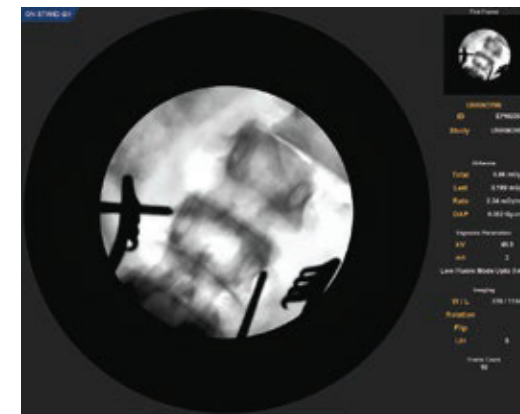
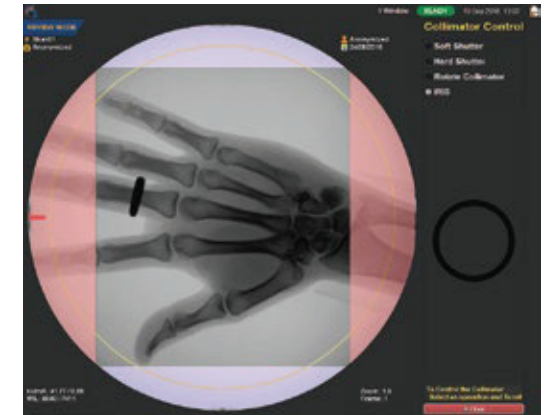


Other Features

- ▶ Small footprint.
- ▶ Clean power from mains through UPF control.
- ▶ Counter balanced C for ease of posturing and comfortable operation.
- ▶ Overscan / Underscan: -40°/+90°.
- ▶ Length or width determination for screws or tools or bone.
- ▶ Image Intensifier Magnification from 9, 6 and 4.5 inches can be achieved.
- ▶ Auto Technique for consistent image quality under varying anatomy densities.
- ▶ Image processing including zoom, flip, invert, torch and median.
- ▶ Image rotation on both active and passive monitors when offline.
- ▶ Snapshot feature to produce similar quality as in Radiography images, in fluoroscope mode.
- ▶ Image Annotations feature to record and communicate the observations.
- ▶ Studies can be saved in MKV video, JPEG & DCM image formats.
- ▶ Secure access to sensitive settings to prevent accidental modifications.
- ▶ DICOM 3 Compliant - Send, Receive, Print, DicomCD, MWL, MPPS.
- ▶ Manual and Auto-save option for images and videos.
- ▶ Manual APF table and APR to select kVp and mA.

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.

Laser Aimer*

- ▶ Battery Operated LASER Aimer.
- ▶ ON/OFF controls on the console and the Laser Assembly.
- ▶ Laser Crosshair on ROI.
- ▶ Precise positioning without continuous X-ray exposure.
- ▶ Minimizes patient radiation dose by targeting the area of interest.
- ▶ Reduces radiation to technicians and doctors.



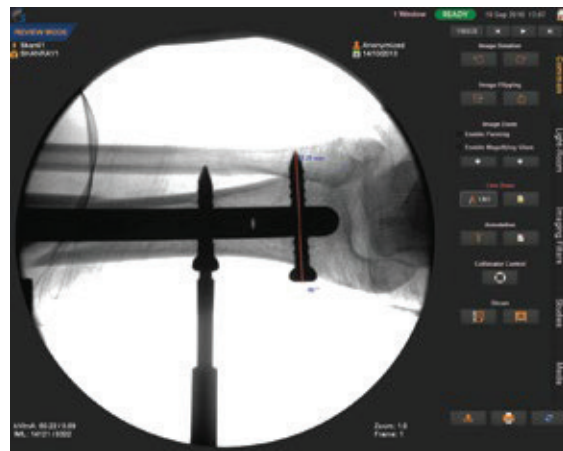
User Interface

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.
- ▶ Optical encoder and hot keys for easy navigation.
- ▶ Laser aimer control.
- ▶ Menu driven work flow.



*Come as standard feature in all Skan-C



Distance Measure

- ▶ Provides distance between 2 selected points in the Image.
- ▶ Needs prior known distance calibration.



Torch

- ▶ Provides increased image contrast for the selected area.
- ▶ Helps to enhance the visualization of tissue areas.

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 inches 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)]
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Collimator

Collimation Types	Hard & Soft Shutters with Circular IRIS
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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.