

Powerful, Light, Versatile and Performance C-Arm

OSCAR



OSCAR SERIES of Genoray

Driven by passion for X-Ray technology, Genoray stands up to the incessant challenges to lead a healthy life by committing to the improvement of our products.

“GENORAY MAKES THE INVISIBLE VISIBLE”

Genoray is the company committed to contribute to the happiness and healthy life of human being with our valuable light.



OSCAR 15

Exceptional, All-round FPD C-Arm

- 15kW HFG
- Flat-Panel Detector (26x26cm, CMOS)
- Wide FOV, low noise
- 150° wide orbital rotation
- DSA (Angiography, Road map, Post processing)



OSCAR prime

Versatile, Convenient FPD C-Arm

- 5.3kW HFG / 4.5 kW HFG
- Flat-Panel Detector (26x26cm, CMOS), (23x23cm, a-Si)
- Active air cooling system
- Wide FOV, low noise
- 180° wide orbital rotation
- DSA (Angiography, Road map, Post processing)



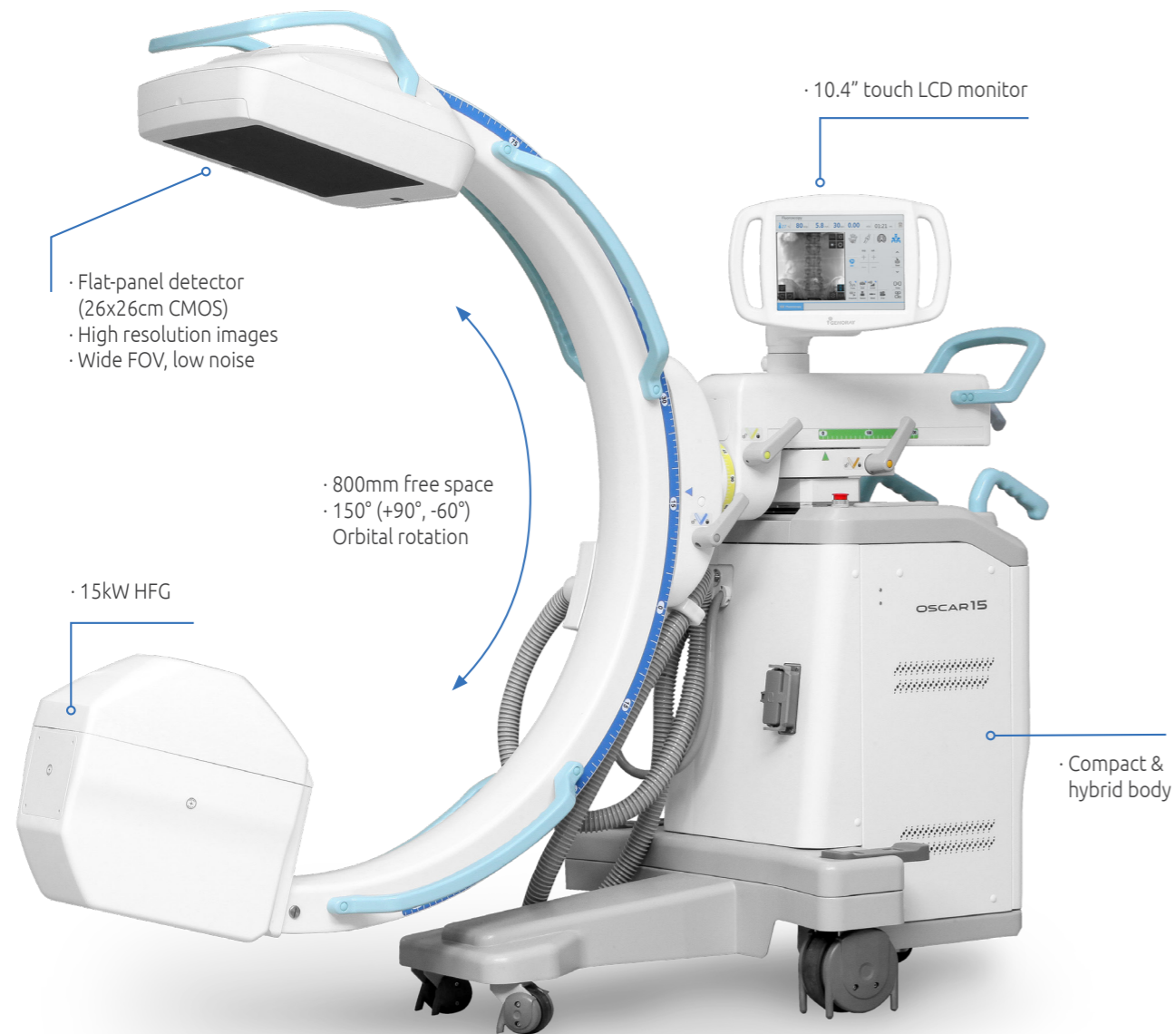
OSCAR classic

Classical, Well-balanced I.I. C-Arm

- 5.3kW HFG / 4.5kW HFG
- 9" Image Intensifier
- Active air cooling system
- Wide FOV, low noise
- 150° wide orbital rotation
- DSA (Angiography, Road map, Post processing)

OSCAR 15

OSCAR 15 offers various operations with exceptional images through self-developed CMOS detector and 15kW HFG. It is a culmination of several years worth of developmental experience from Genoray.



“CURE THE PEOPLE, CARE FOR LIFE
Genoray makes the invisible visible

26x26cm CMOS	15kW HFG	150° Dynamic Orbital Rotation
10.4" Touch Screen	Laser Pointer	Low Dose
Free space 800mm SID 1,000mm	DSA	Dual Foot Switch (Shot/Save)
DICOM 3.0 CD/DVD Burner USB Port	Wide Monitor	Waterproof Keyboard & mouse

Wide LCD Monitor

Monitor cart

Flat-Panel

- 26x26cm CMOS

HFG

- 15kW HFG

DSA

- Angiography
- Road Map
- Post Processing

OSCAR prime

OSCAR Prime is a unique system which has orbital rotation of 180 degree for maximizing ease-of-use and operating environment. Moreover, it can provide high quality images through self-developed CMOS detector.



"CURE THE PEOPLE, CARE FOR LIFE
Genoray makes the invisible visible"

26x26cm CMOS
23x23cm a-Si

5.3kW HFG
4.5kW HFG

180° Dynamic
Orbital Rotation

10.4" Touch Screen

Active Air Cooling

Low Dose

Free space 800mm
SID 1,000mm

DSA

Dual Foot Switch (Shot/Save)

DICOM 3.0
CD/DVD Burner
USB Port

Wide Monitor

Waterproof
Keyboard & Mouse

Wide LCD Monitor

Monitor cart

prime

Flat-Panel

- 26x26cm CMOS
- 23x23cm a-Si

Wide Orbital Rotation

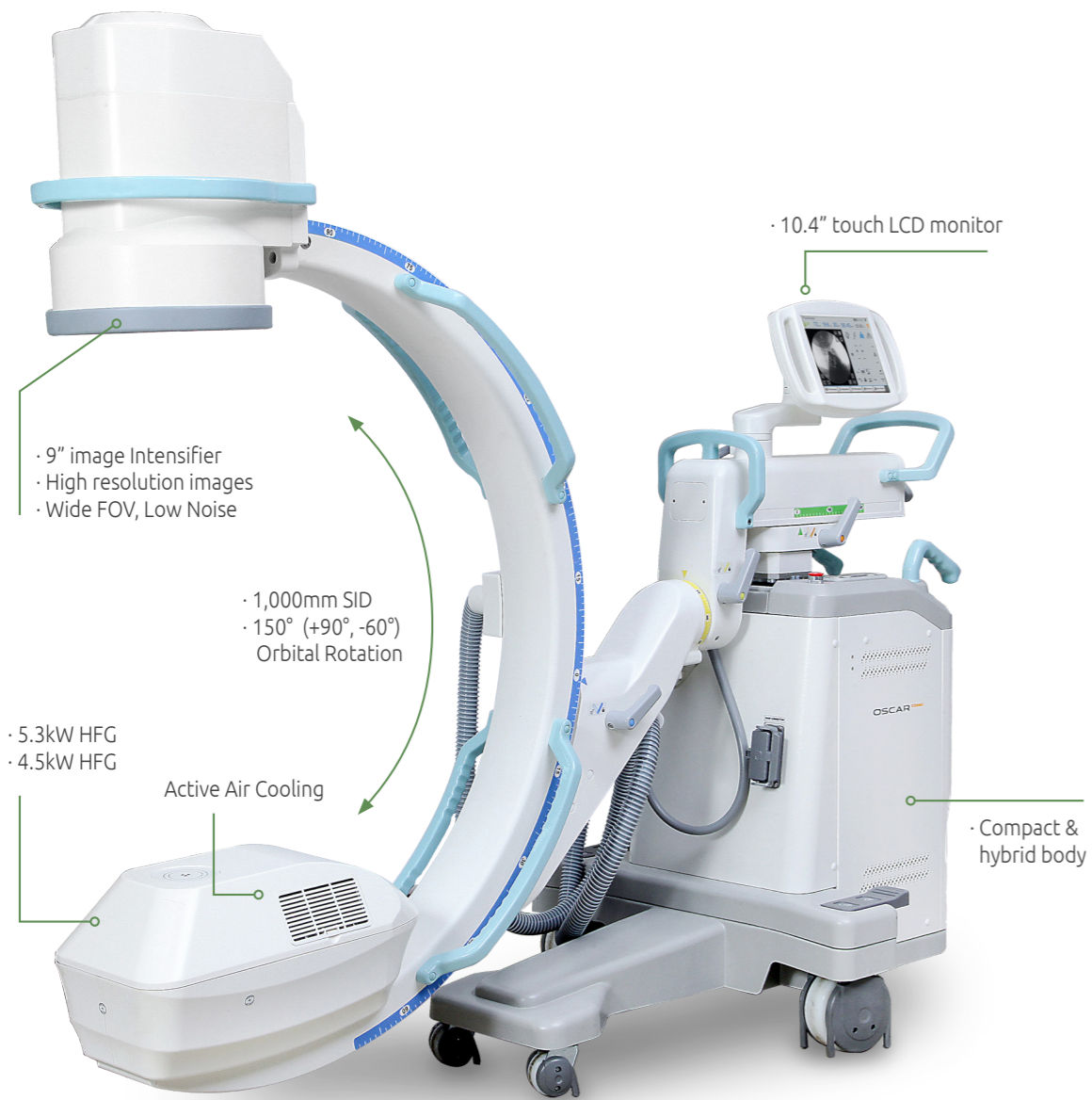
- 180° (+90°, -90°)

DSA

- Angiography
- Road Map
- Post Processing

OSCAR classic

OSCAR Classic is a highly favoured system all over the world with stable output and high quality images. The convenient touch screen and compact design provides better user convenience and make image acquisition simple.



“CURE THE PEOPLE, CARE FOR LIFE
Genoray makes the invisible visible



classic

9" Image Intensifier

- High-resolution Images

Wide Orbital Rotation

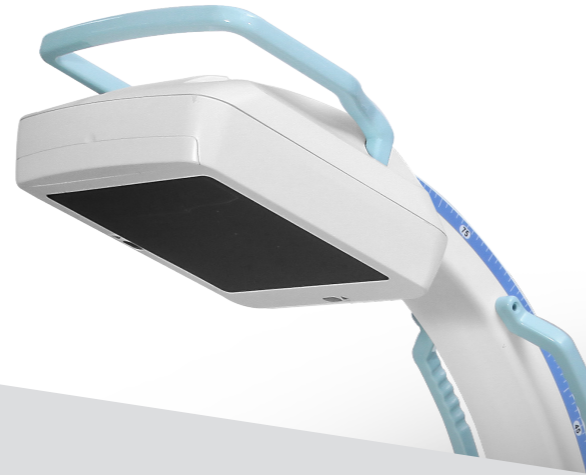
- 150° (+90°, -60°) Orbital Rotation

Active Air Cooling System

- To prevent overheating
- To offer longer duration of operation

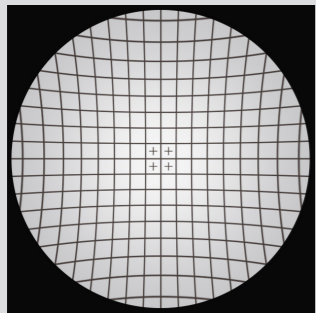
Genoray CMOS Flat Panel Detector

The CMOS detector, developed with accumulated experience and technology, enables to achieve high-definition video images without afterimages and provides exceptional images with low noise through minimal x-ray exposure.

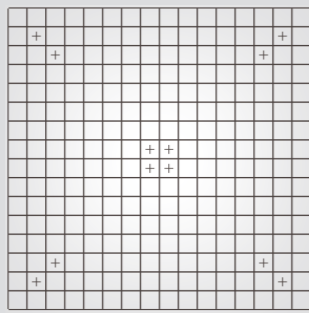


Exceptional Image Quality

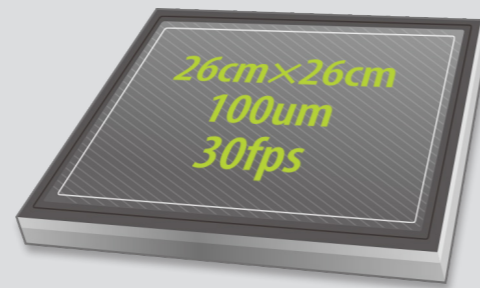
With the optimal flat panel detector size of 26x26cm you will acquire clear image with high quality resolution. It allows accurate diagnosis in all procedures.



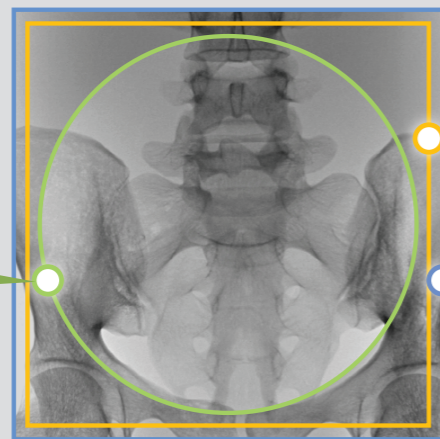
<Image Intensifier>



<FPD>



* In house manufacturing



9" (Φ22.86cm)
Image Intensifier

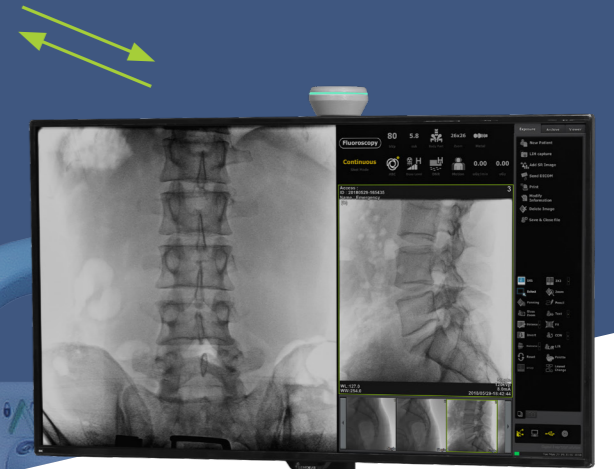
23cm*23cm
Flat Panel Detector

26cm*26cm
Flat Panel Detector

* Covers wider area compared to conventional 9" Image Intensifier

Live Image & Communication

User-friendly 10.4" touch screen operation panel enables two-way communication between doctor and operator by using live image.



Live Image Display

Maximize positioning and ease of use
(Superior communication between physician and staff)
* Excellent legibility with Anatomical Preset & Pop-up menu

Display Options

- Monitor : 34" (Color), 19" Dual (Mono)
- L/R Swap, Live Max. mode, Live/Refer. 1:1 mode

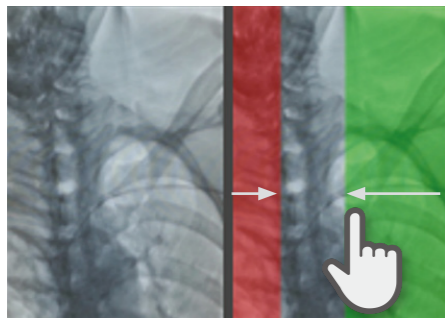


OSCAR Series Features

X-ray Dose Management

VIRTUAL COLLIMATOR

The virtual collimator allows for the selection of your desired field of view, while reducing the amount of radiation exposure by limiting the X-Ray.



DOSE STRUCTURED REPORT

Dose SR enables efficient radiology workflow, improves patient care, and enhances the radiology working conditions.

AUTO COLLIMATION

Prevention of unnecessary X-Ray exposure by focusing on the area of interest while automatically collimating the remaining areas.



Image Processing

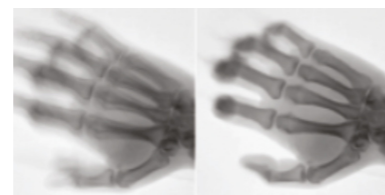
EDGE ENHANCEMENT

For user to get more accurate diagnosis result enhancing edge of image.



MOTION CORRECTION

This function detects the movement and reduces the after image during exposure.



METAL CORRECTION

To prevent over-dose radiation or low quality image caused by metal interruption on field of view.



Powerful Software, ZENIS

A total solution provides convenient environment for acquisition, storage, management, communication, and print out with user-centric interface. Diagnosis and confirm from recognizable simple icons / Convenience of database management

- Convenient diagnostic functions for easy patient / image management
- Accurate diagnostic tools
- Improve the efficiency of your hospital management
- Perfect compatibility with all PACS
- A must have for a digitally equipped hospital
- Convenient communication and management for your customers

Image Management

Invert, rotation, zoom In/out, magnifying glass and etc.

Measurement & Annotation

Measurement of length and angle
Mark line, arrow, and characters

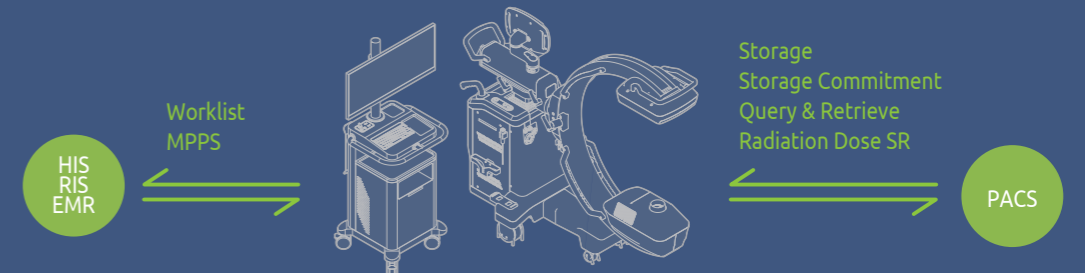
DICOM 3.0

Storage service, worklist service

Recommended System
Requirements for ZENIS

Database management
In HIPAA Approved Format

Dicom Support



Clinical Data

Providing excellent diagnostic images through accumulated experience



Pain Management Case



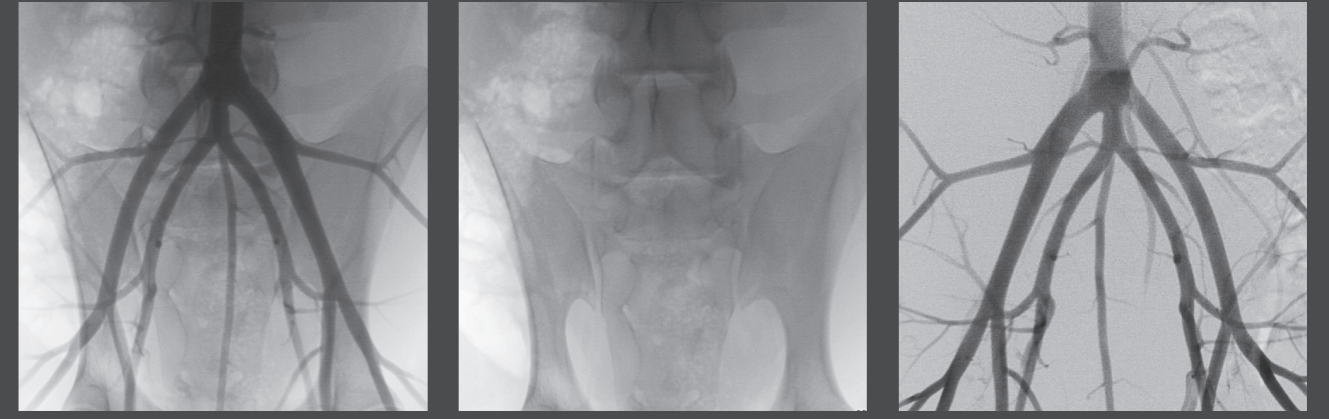
Orthopedics Case



Trauma Case

DSA (Digital Subtraction Angiography)

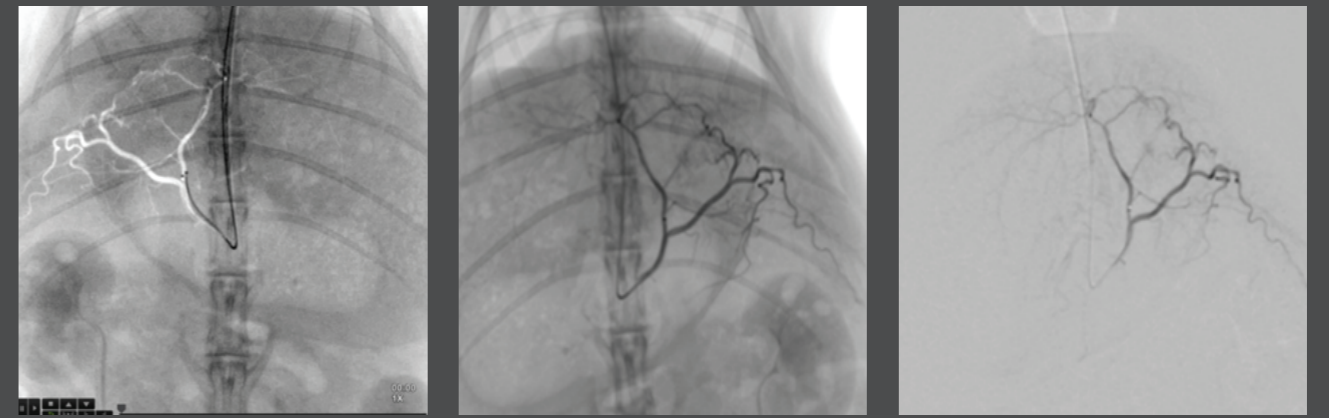
DSA helps various clinical diagnosis and procedures through the vessel image information after injecting contrast medium.



Live image with contrast medium injected

DSA image with vascular parts removed

DSA image with non-vascular parts removed



Inserting guide wire using roadmap

Live image with contrast medium injected

DSA image with non-vascular parts removed

Applications

- General Surgery
- Pain Management
- Neuro & Spine Surgery
- Orthopedic Surgery
- Trauma Procedure
- Urology Procedure
- Cardiac Surgery
- Peripheral Artery Diseases
- Vascular Surgery



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* This X-ray unit may be dangerous to patient and operator unless safe exposure factors and operating instructions are observed.

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