

# GENORAY MAKES THE INVISIBLE VISIBLE !



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## GENORAY RELIABLE SERVICE

SCD (Smart Connected Device) is a program that automatically transmits error-related contents (cause, area, etc.) from a set PC program to a LISA server. It is a system that the CS team analyze the problem and take action. We want to respond promptly to the problems we encounter and provide the best possible service.



\* The specifications above can be changed to improve performance without notice.

# OSCAR 15 OSCAR prime

A new level of clarity and power



## Powerful, Light, Versatile, Performance C-Arm ! in DIGITAL IMAGING





# GENORAY MAKES THE INVISIBLE VISIBLE

With the incessant challenge, and the enthusiastic passion, we, Genoray is the company committed to making contribution to the happiness and the healthy life of human being through the X-Ray technology, a valuable light which saves lives.













- Developed OSCAR 15, Acquired CE certificate & FDA(K172180)
- Developed OSCAR Prime
- 1M CCD camera is equipped on all C-Arms  
Acquired CE certificate for ZEN-2090Pro  
ZEN-2090Pro FDA 510(K091918)  
Developed ZEN-7000
- Developed C-Arm with 1M pixel camera  
Developed economical C-Arm (ZEN-2060)
- Developed High Performance C-Arm (ZEN-3090)  
Acquired CE certificate for ZEN-3090
- Selected as Superior Technology Company  
Selected as INOBIZ Company, Awarded export prize  
Approved KGMP Quality Management Standard Conformity  
Awarded with "10 Million Dollars Trophy" from Korea International  
Awarded Design&Tech innovation grand prize

Powered by and enthusiastic passion for X-Ray technology, Genoray stands up to the incessant challenges of constant leading a healthy lify by committing to the improvement of our products.

# OSCAR 15

The OSCAR 15 is a culmination of decades worth of developmental experience from Genoray. With CMOS imaging excellence & 15kW HFG you diagnosis need will be met while improving your productivity especially DSA(High resolution).



-   
260 x 260 mm Flat-Panel detector
-   
15kW HFG
-   
10.4" Touch Screen
-   
150° Dynamic Orbital Rotation
-   
Free space 800mm SID 1,000mm
-   
DSA (High resolution)
-   
43" LCD Monitor
-   
19" Dual LCD monitor
-   
Dual Foot Switch (Shot / Save) (Lift Up / Down)
-   
Lowering Dosage
-   
Structured Dose Report
-   
-DICOM 3.0  
-CD/DVD Burner  
-USB Port



## YOUR CHOICE OF ...

- 1 FLAT-PANEL**  
260 x 260 mm
- 2 HFG**  
· 15kW HFG
- 3 DSA**  
· High resolution  
· Road map  
· Angiography

As a surgeon you need the skills and dedication to perform an increasing number of challenging interventions. Crisp, clear images are also crucial, whether you are performing open surgery or advanced minimally invasive procedures.

# OSCAR prime

With an optimal flat panel detector size of 26x26cm you won't miss a thing with its high quality resolution. It makes accurate diagnosis in a variety of departments.



-   
 260 x 260 mm  
Flat-Panel detector
-   
 5.3 kW HFG
-   
 10.4"  
Touch Screen
-   
 180° Dynamic Orbital  
Rotation
-   
 Free space 800mm  
SID 1,000mm
-   
 DSA (High resolution)
-   
 34" Wide Monitor
-   
 Dual Foot Switch  
(Shot / Save)  
(Lift Up / Down)
-   
 -DICOM 3.0  
-CD/DVD Burner  
-USB Port
-   
 Lowering Dosage
-   
 DAP



## YOUR CHOICE OF ...

- ### 1

#### FLAT-PANEL

260 x 260 mm
- ### 2

#### MONITOR

  - 34" Monitors
  - Two 19" Monitors
- ### 3

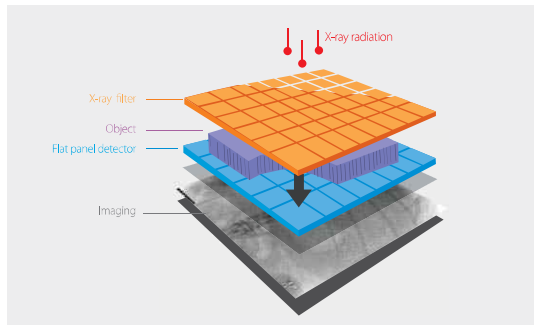
#### FOOT SWITCH

  - Dual Foot Switch
  - Triple Foot Switch

As a surgeon you need the skills and dedication to perform an increasing number of challenging interventions. Crisp, clear images are also crucial, whether you are performing open surgery or advanced minimally invasive procedures.

# EXCEPTIONAL IMAGE QUALITY

With an optimal flat panel detector size of 26 x 26cm you won't miss a thing with its high quality resolution. It makes accurate diagnosis in a variety of departments especially DSA



Laser localizer marks exact field of fluoroscopy to decrease in order exposure.

## SMART IMAGE PROCESSING

### HIGH SPEED READOUT, HIGH DEFINITION

Flat panel detector doesn't miss a beat!

### WIDE FOV, LOW NOISE, LOW DOSE, HIGH CONTRAST RATE

Your needs will be met while improving your productivity.



FOV (Field of View) 260 x 260 mm



## X-RAY DOSE MANAGEMENT

### LOW DOSE MODE

Low dose mode is designed to acquire reasonable image to diagnose the patient with minimum dosage.

### SMART REVIEW

Review and store image maximum 10 seconds before last image.

### EDGE ENHANCEMENT

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



### METAL CORRECTION

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



### DOSE STRUCTURED REPORT

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

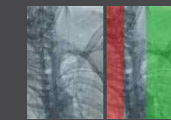
### MOTION CORRECTION

This function detects the movement and reduce the after image while exposing X-ray.



### 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 beam.



### AUTO COLLIMATION

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



### IMAGE CHAIN TECHNOLOGY

X-ray for acquisition of low-dose / high-quality medical images Image chain technology considering interaction with human body, detector, image processing algorithm etc.

# POWERFUL SOFTWARE ZENIS

A total solution from acquisition, storage, management, communication to print out  
 Provide convenient environment from 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, magnify glass and etc

## MEASUREMENT & ANNOTATION

Measurement of length, angle, and Input and storage of line, arrow, characters

## DICOM 3.0

Storage service, worklist service

## RECOMMENDED SYSTEM REQUIREMENTS FOR ZENIS

## DATABASE MANAGEMENT IN HIPAA APPROVED FORMAT

## DICOM SUPPORT



# DSA [DIGITAL SUBTRACTION ANGIOGRAPHY]

Angiography option utilizes repeating stored videos while subtracting unwanted artifacts

## NATIVE DSA

Pairing fluoroscopy with contrast media to display the basic angiography views

## MOTION MATCHING

Selects the proper mask to apply and remove artifacts made by a patient's movement or breathing

## POST-PROCESSING

processing: Improvement of the processed image after the DSA procedure

## LANDMARKING / BRIGHTNESS / CONTRAST

After setting the position for a vessel, the subject can be placed back to their original position by using the shift function to compensate for any movement. Allows for various functions that assist with accurately inserting a catheter.

## ROAD MAPPING, LAND MARK, PEAK OPENCIFICATION AND MOTION DETECTION

After setting a position for a vessel, the subject can be moved back to their original place by using the shift function to compensate for any movement. Provides various functions that helps accurately to insert a guide wire, catheter. is compatible with the hybrid operating room.

## AUTO ROADMAP MASK

Obtain blood vessel type information while only using a small amount of contrast media

## MANUAL ROADMAP MASK

Roadmap your vessels using a previously taken DSA image

## ROADMAP PIXEL SHIFT

Re-position the roadmap mask by shifting the pixels to the proper position

## PEAK OPACIFICATION

Ability to diagnose a blood vessel with only a small amount of contrast media

