GENORAY MAKES
INVISIBLE VISIBLE !

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GENORAY RELIABLE SERVICES

Service and support is always our number one priority.
If you require any service after the purchase
of a Genoray unit, GENORAY is always there to support you.
Our service staff is waiting to support you so please feel
free to give us a call.
We have built up a reputation for superior quality and
service in Korea which we hope to extend to you.

prime
OSCAR

SURGICAL MOBILE C-ARM X-RAY SYSTEM

GENORAY

GENORAY MAKES 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 Prime

- Established Genoray Japan, Genoray EU, Genoray America

- 1M CCD camera is equipped to all C-Arm
  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

YOUR OSCAR!

Our new level of C-Arm OSCAR prime is made by decades of developing experience of Genoray.
Your needs will be satisfied and your productivity will be improved.

230x230 / 260 x 260 mm Flat-Panel detector

5.3kW — 5.3kw, HFG

Cooling — Active air cooling HFG

±180° — ±180° Dynamic Orbital Rotation

SID — Free space 800mm SID 1,000mm

10.4" Touch Screen

34" — 34" Wide Monitor

Dual Foot Switch (Shot/ Lift Up, Save/Lift Down)

Smart Review

Low Dose — Lowering Dosage

Structured Dose Report

-DICOM 3.0 -CD/DVD Burner - USB Port

◄ · "230 x 230 / 260 x 260 mm" Full flat-panel detector for distortion-free imaging
· Quick Readout
· High resolution images
· Wide FOV, Low Noise

◄ 10.4"Touch LCD monitor

◄ 34" wide monitor

800mm free space and ±180° orbital rotation

Colourful & Valuable Design
◄ Compact & Hybrid Body

◄ · Active air cooling HFG
· 5.3KW HFG

YOUR CHOICE

As a surgeon you need skill 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.

1 FLAT-PANEL
230 x 230 / 260 x 260 mm

2 MONITOR
· 34" Monitors
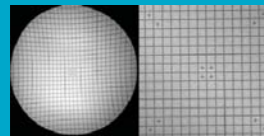· Two 19" Monitors

3 FOOT SWITH
· Dual Foot Switch
· Triple Foot Switch

EXCEPTIONAL IMAGING QUALITY

Optimum size 23cm x 23cm flat panel detector doesn't miss a thing on image by its high quality resolution.
It makes accurate diagnosis in variety of department especially DSA(Digital Subtration Angiography).

Laser localizer marks exact field of fluoroscopy to decrease dose exposure.

DISTORTION-FREE FLAT DETECTOR IMAGING

Distortion & Brightness uniformity

Flat-panel highlights:
> Larger opening   > High-dynamic images
> Distortion-free imaging > Larger field of view

ACTIVE AIR COOLING HIGH FREQUENCY GENERATOR

Our 5.3kW generator is one of the powerful generator in the world.
Active aircooling system prevent overheating and offer stable results and long duration of operation.

- High Performance Active Air Cooling

- Protect expensive parts (tube, HFG, etc.) from overheating and damage
  ; Guaranteed lifetime, safe medical treatment

- Response to increased use time & frequency with increasing interventional procedures
  ; Long-term stable X-ray

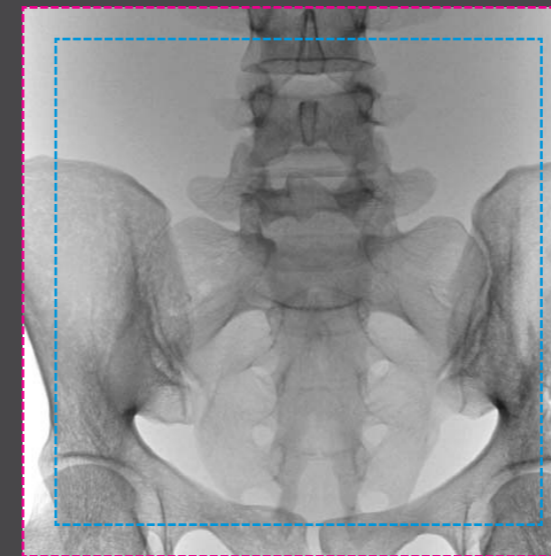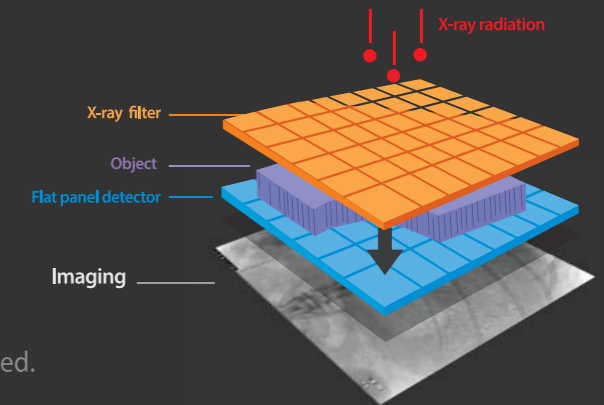- Various Pulsed X-Ray

- Smart collimator

SMART IMAGE PROCESSING

HIGH SPEED READOUT, HIGH DEFINITION

flat panel detector doesn't miss a thing on image by its high quality resolution.

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

Your needs will be satisfied and your productivity will be improved.

X-ray radiation
X-ray filter
Object
Flat panel detector
Imaging

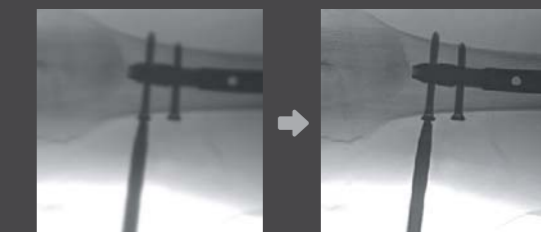FOV (Field of View)   230 x 230 mm / 260 x 260 mm

EDGE ENHANCENMENT

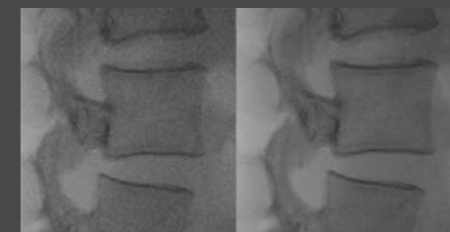For user to get more accurate diagnosis result enhancing edge of image.

METAL CORRECTION

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

DENOISING

Techniques to reduce noise through many X-ray image processing algorithms

MOTION CORRECTION

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

COMPACT & INTNTELLIGENT DESIGN

Convenient touch screen and simple foot switch make easy image acquisition.
Rewind missed image by software to prevent retake of image.

X-RAY DOSE MANAGEMENT

LOW DOSE MODE

Kind dosage! Low dose mode is to acquire the reasonable image to diagnose the patient with minimum dosage.
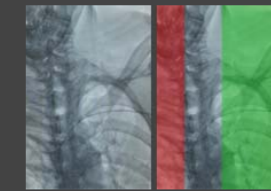
SMART REVIEW

Review and store image maximum 10 seconds before last image.

LIGHTWEIGHT ARCHITECTURE

OSCAR Prime is designed to be moved easily.

INTELLIGENT OPERATION

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

COMPACT & HYBRID BODY

Compact body with excellent movement and ease of operation with perfect balanced C-Arm

> C-Arm doesn't need to be flipped because of ±180 degree orbital rotation. Dynamic 800mm free space.

10.4-INCH TOUCH LCD

The 10-4-inch touch LCD Screen is highly sensitive and allows you efficient operation of the system
live image

34-INCH WIDE MONITOR

34 inch wide monitor shows superior image by outstanding contrast, colour, and resolution.

live image

DOSE STRUCTURED REPORT

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

VIRTUAL COLLIMATOR

Reduction of exposure using virtual collimator Ability to set user's desired field in OP Panel without X-Ray investigation

AUTO COLLIMATION

By automatically collimating the remaining areas excluding the area of interest according to preset reference values, unnecessary X-ray exposure prevention

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 environment for easy 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

Read Write

Import Export

Print

Worklist MPPS

HIS RIS EMR

Storage
Storage Commitment
Query & Retrieve
Radiation Dose SR

PACS

DSA [DIGITAL SUBTRACTION ANGIOGRAPHY]

Improves diagnosis by utilizing a repeating stored
video feature along with detailed time measurement
functions in the software.

NATIVE DSA

To display contrast media included original fluoroscopy
image

MOTION MATCHING

To store various mask images and find proper mask
and apply to remove artfacts made by patient's movement
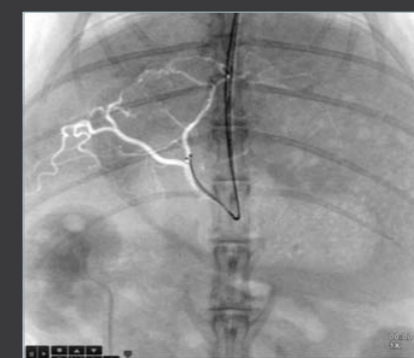or breath.

POST-PROCESSING

To provide postprocessing function changing DSA mask,
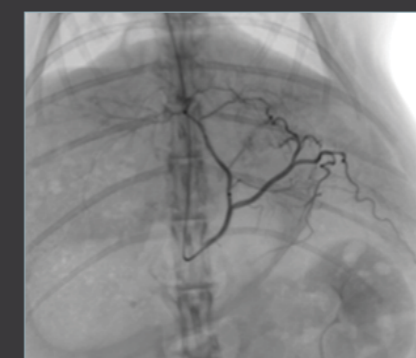transparency, brightness and contrast by user after DSA.

PEAK OPACIFICATION

To diagnose whole blood vessel by small amount of contrast
media accumulating contrast media flow in blood vessel.

LANDMARKING / BRIGHTNESS / CONTRAST

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

To use roadmap mask obtaining blood vessel type
information using small amount of contrast media.

MANUAL ROADMAP MASK

To use roadmap mask using previously taken DSA image.

ROADMAP PIXEL SHIFT

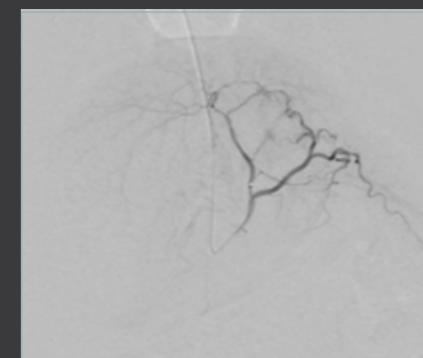To change position of roadmap mask.

ROADMAP LANDMARKING / BRIGHTNESS / CONTRAST

Guide wire insertion using Roadmap function   Live imaging with contrast injection   DSA images with non-vascular images removed