

## Genoray makes the invisible visible Powerful, Light, Versatile, Performance C-Arm!

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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.



A new level of clarity and power

## ZEN-7000 · ZEN-5000

## Powerful, Light, Versatile, Performance C-Arm!

in DIGITAL IMAGING

# Don't miss your chance to use A new and incredible 12 Inches Image Intensifier powered by a 15kW output generator

	ZEN-7000	ZEN-5000
<b>Generator</b>	15KW	3.2KW
<b>Image Intensifier</b>	12"   9"	12"   9"

# Finally, you have more options to choose from; **ZEN-7000 · ZEN-5000**

### Wider view

See the widened view with your own eyes.

### Great improvements in imaging

You can definitely see the Great improvement in imaging.

### High output

A useful tool for viewing in Cardiovascular procedures and allows for penetration in those harder to view areas.

### Capacitor Bank

Without the need for any extra power source, you can use power of the 15kW generator wherever and whenever you need with a general power supply.



ZEN-7000



ZEN-5000



### User friendly operation from the touch screen LCD panel

Recognizable icons and simplified graphics make operation easy.

### 1K x 1K high resolution CCD camera

The million pixel high definition camera supports clear images without distortion to provide the best diagnostic imaging environment possible.

ABC (Auto Brightness Control) high and low levels, brightness contrast ratio of 30:1

Image rotation, +/- image, zoom in/out, up down left right image rotation.

### Snap shot mode

Get the penetration you need!

Obtain a crisp, clear image with our "snap shot" mode which allows you to get the penetration you need in thicker areas of focus.



# Genoray makes the invisible visible

## A new level of Clarity and Power

## ZEN-7000 · ZEN-5000

### Rotating / Stationary Tube

Rotating (ZEN-7000), The rotating tube allows for a higher X-ray output while also making it possible to use for longer periods of time due to the overheat shut off technology.  
Stationary (zen-5000). The stationary tube gives high performance with the affordable price.

### A-Pack

#### DSA (Digital Subtraction Angiography)

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

#### Road mapping

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.



## Low dosage Features

### High definition video function

The high definition videos are captured at 30 frame/second to allow for continued loops.  
Get the high quality of image with low dose X-rays.  
Maintains a high definition image without the noise and blur effect during the movement.

### Virtual collimator

Even without exposing X-rays, the radiation area can be determined by virtually collimating the desired area on the touch screen LCD panel.  
The radiation exposure is minimized by the optimization setting for the radiation fluctuation.

### Anatomic Mode

Minimizes radiation dosage by selecting from pre-set exposure values (kV & mA), which are specific to the body part in focus.

### DNR (Dynamic Noise Reduction) Function

Produces clear images by reducing the noise in the image with minimal radiation doses. It can be controlled by selecting modes from high to low to balance the noise and eliminate blurring while operating in motion.

### Auto Histogram

Provides high quality live image optimizing brightness and contrast in real time

### Single shot (ZEN-5000)

The "single" shot mode allows you to conveniently take a low dose exposure with one simple click of the hand switch.

Enjoy the user friendly yet powerful software of ZENIS to obtain and manage your images!

A Total Solution from Acquisition, Storage, Management, Communication to Print Out

# NEW STANDARD IN DICOM SOLUTION ZENIS

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

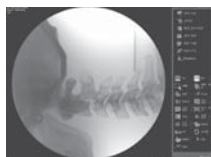
Measurement of Length, Angle, and Input and Storage of Line, Arrow, Characters

## Database Management in HIPAA approved format

Sharing Images and Data of Patient in Network Environment  
Recommended system requirements for ZENIS

## DICOM 3.0

Storage Service, Worklist Service



Storing Motion Picture (wmv, avi,...)



Screen Division (1x1, 2x2, 3x3)



Zoom in/out

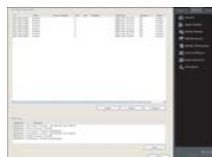


Image Transfer (DICOM)

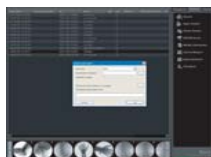


Image output (bmp, jpg,...)  
Database  
(registration, search, delete,...)



Patient reservation management  
(support work list)



Annotation

DOSE MANAGEMENT ; The user can check a radiation exposure from recording Patient, data, peculiar environment.

## Picture of surgery in orthopedics



## Picture of surgery in neurosurgery, pain medical

