



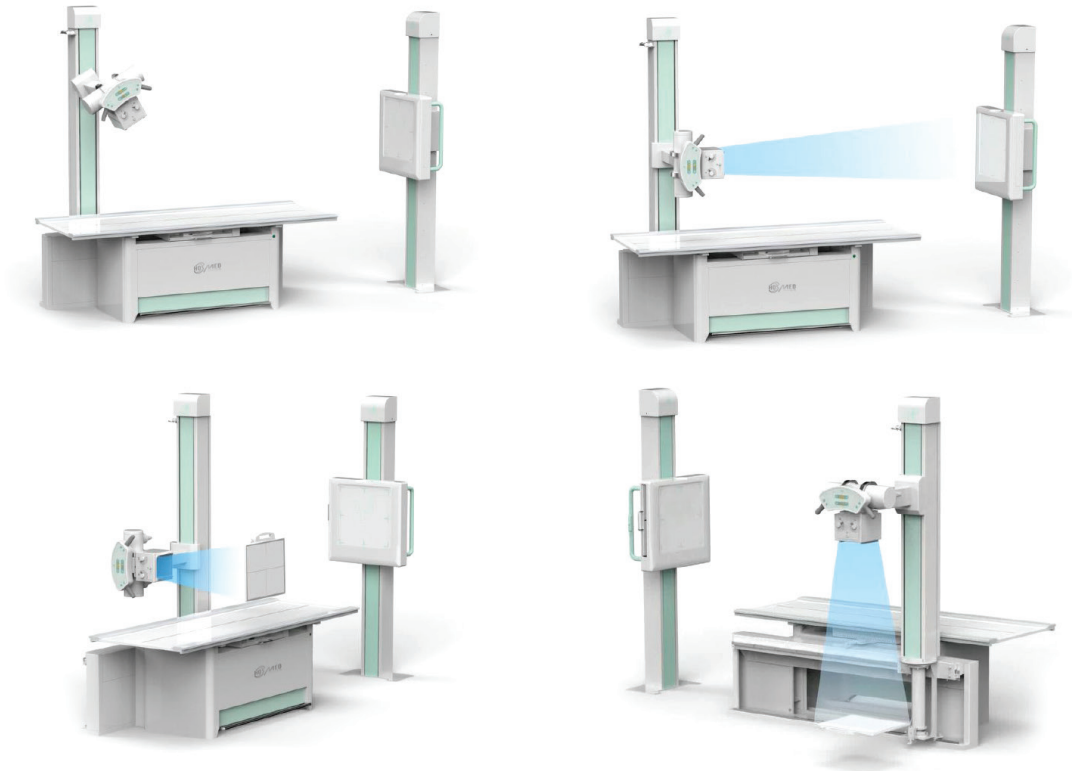
# Digital X-Ray System Ingenuity Plus



# PRODUCT DESCRIPTION

## Product Usage

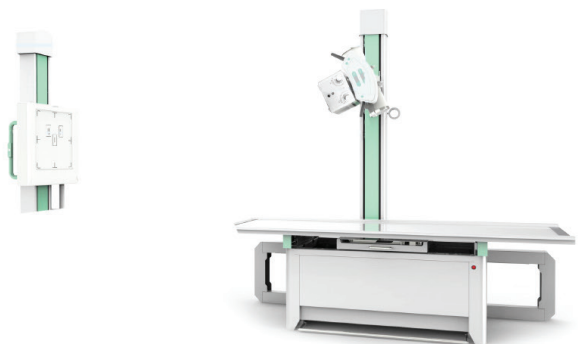
Ingenuity Plus is a high frequency flat-panel digital X-ray radiography system, suitable for radiology department, orthopedics, ward, emergency room, operating room, ICU and other departments. With flexible movement, easy operation, high efficiency, to meet the radiography for all of human body's parts, such as head, limbs, chest, spine, lumbar vertebrae, abdomen, etc.



## Table Movement: X-ray Bed

Digital display SID, tube angle, light touch switch, SCM control, electromagnetic brake  
 Filter : Gobi: 10:1; 103L/INCH; Fixed Filter 15"\* 18"

Height:	650mm
SID:	500~1280mm
Tube rotates around the column	-180°~ +180° Longitudinal moving
Longitudinal moving of spherical column	1500mm
Vertical moving	930mm
Lateral movement	250mm
Tabletop dimensions	2200 x 810 mm



# Product Specification

<b>Power</b>	Voltage	380V±10%/220V±10%
	Frequency	50Hz/60Hz
	Capacity	≥65kVA
	Internal Resistance	≤0.17Ω
<b>X-ray High Voltage System</b>	Power	<b>56KW</b>
	Inverter Frequency	440 KHz
	Tube voltage	40kV—150kV, continuous adjustment
	Tube current	10mA—710mA , grade adjustment
	mAs	0.2mAs—900mAs, grade adjustment
<b>X ray tube</b> 	Model:	<b>(TOSHIBA E7252)</b>
	Tube Focus:big/small	1.2mm /0.6mm
	Input power	Big focus 50kW Small focus 20kW
	Anode thermal capacity	210KJ(300khu)
	Rotary anode speed	9700rpm
<b>Flat Penal Detector</b> 	Active area	350(H)×430(V)
	Pixel matrix	2448(H)×2984(V)
	Pixel pitch	139 μm
	Limiting resolution	Min. 3.1 line pair/mm
	A / D transition	14 bit
	Energy range	40 - 150 kVp
	Data output	16-bit digital output Ethernet(1000BASE-T)
	power Input	DC 24V 2A
<b>Flat Penal Detector (Optional)</b> 	Active area	350(H)×430(V)
	Pixel matrix	2448(H)×2984(V)
	Pixel pitch	139 μm
	Limiting resolution	Min. 3.1 line pair/mm
	A / D transition	14 bit
	Energy range	40 - 150 kVp
	Data output	17-bit digital output Ethernet(1000BASE-T)
	power Input	DC 24V 2A

# Digital X-Ray System Ingenuity Plus

With flexible movement,  
easy operation, high efficiency,  
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human body's parts, such as head,  
limbs, chest, spine, lumbar  
vertebrae, abdomen, etc.



# Product Advantages

## 1. Monoblock

- Canon X-Ray tube make sure the stability quality.
- 50kHz inverter frequency, good x-ray quality, low dose, world top-level technology.
- Thermal capacity 500KJ, long time continuous exposing.
- With digital closed loop control technology and fault alarm function



## 2. Flat Panel Detector

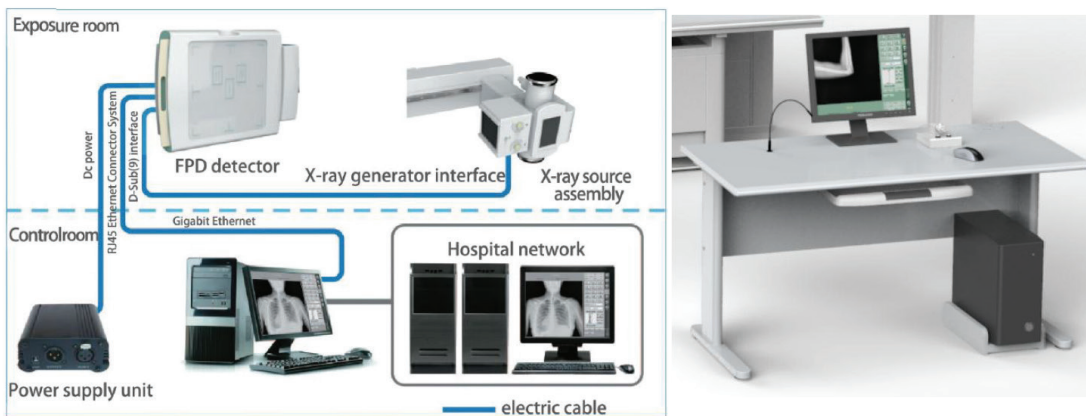
- Whole-plate non-spliced, cesium iodide + amorphous silicon flat-panel detectors derive from the world's leading technology, which greatly improves performance.

## 3. Networked device: high quality image and output information system

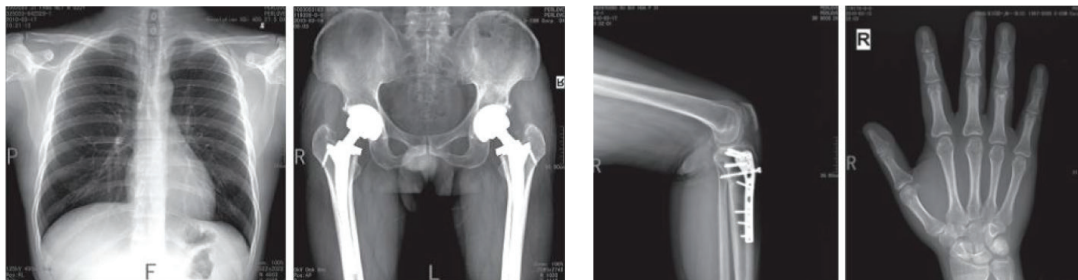
- The networking functions of Ingenuity Plus include: Dicom storage, Dicom film printing,

### Dicom film transfer.

- It has standard DICOM 3.0 interface, supporting film printing, output, storage, barrier-free docking hospital PACS system.



## 4. High Quality Clinical Images





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