

Digital Radiography System

INNOVISION-DXII



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※ The appearances and specification are subject to change without prior notice for further improvement.
DKMKT-BC-001 (Innovision-DXII)



The Best Healthcare Company, DK⁺ Medical Systems

A Professional and leading manufacturer which is at the forefront of the X-ray industry and has specialized in medical X-ray Systems since 1992.



1. **H.Q** Seoul, Korea
2. **FACTORY** Pyeongtaek, Korea



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Generator

- High Frequency Inverter
- Low Ripple Tube Voltage and High X-ray Quantum Efficiency /Frequency
Variable According to Load Conditions
- Stable X-ray Output

⚙ Main Console



📋 Specification

Generator		
kW	50kW	40kW
kV Range	40 - 150kV	40 - 125kV
Power Output Ratings	320mA at 150kV	300mA at 125kV
	500mA at 100kV	500mA at 80kV
sec Range	1ms ~ 10sec	1ms ~ 10sec
mA Range	10 - 630mA	10 - 500mA
mAs Range	0.1 ~ 500mAs	0.1 ~ 500mAs
Anatomical Programing	244	244
Automatic Exposure Control (2 Chambers)	Optional	Optional
Bucky Signal Supply	Standard	Standard
Line Voltage	380-400Vac, 50/60Hz	380-400Vac, 50/60Hz
	Three Phase	Three Phase
Digital Interface	Available	Available
Tube	E7884X	E7239X
Capacitor Bank	Optional	Optional

※ The specification on the table can be changed.

Structure



Ceiling Type



| Elin-T4



| Elin-T3 Plus



Universal Type



| SF-90T/ DS-90T



3-in-1 Type



| ST-90D



Floor Type



| SF-90/ DS-90/ TF-90



| SF-90C/ DS-90/ TE-90

Digital Radiography System

INNOVISION - DXII

Ceiling Type (Elin-T4)

More Convenient & Easier for Operator

- Synchronized Tube Stand and Tray
- Tube Support with Long Vertical Movement
- 7" LCD Display
- Auto Stitching Function



Specification

Elin-T4 (Tube Support)

Balance System	Spring Balance
Vertical Travel	1,500mm
Longitudinal Travel	Max. 2,820mm
Transverse	Max. 2,430mm
Tube Rotation	±180°
Tube Swivel	±180°
Driven Type	Manual or Manual Driven
THD*	Tube Angle & SID Display
	LCD Type

TE-90 (Table)

Type	6 way Table
Dimension (L)	2,000mm
Dimension (W)	800mm
Longitudinal Travel	630mm
Transverse Travel	300mm
Vertical Travel	290mm (566 ~ 856mm)
Bucky Movement Range	479mm
Vertical Movement Type	Actuator Type
Bucky Type	Cassette Tray Type (Basic)
	Fixed Detector Type (Option)
Tabletop Material	Acryl (Basic)
	Melamine (Option)

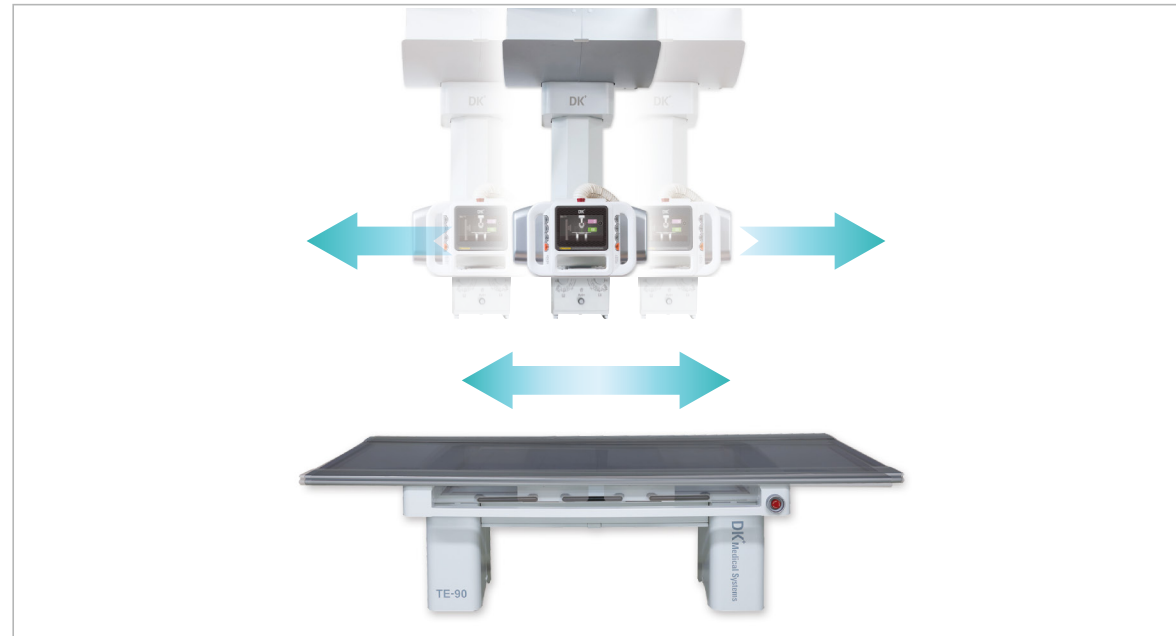
DS-90 (Stand)

Type	Detector Stand
Balance System	Weight Balance
Bucky Type	Cassette Tray Type (Basic)
	Fixed Detector Type (Option)
Vertical Travel	1,450mm
Height	2,026mm
Drive Type (Vertical)	Manual & Motor
Vertical lock	Electro magnetic

※ The specification on the table can be changed.

Easy Operation

- ❖ Tube Support Synchronized with Table and Bucky Stand



- ❖ Synchronized with Bucky Stand

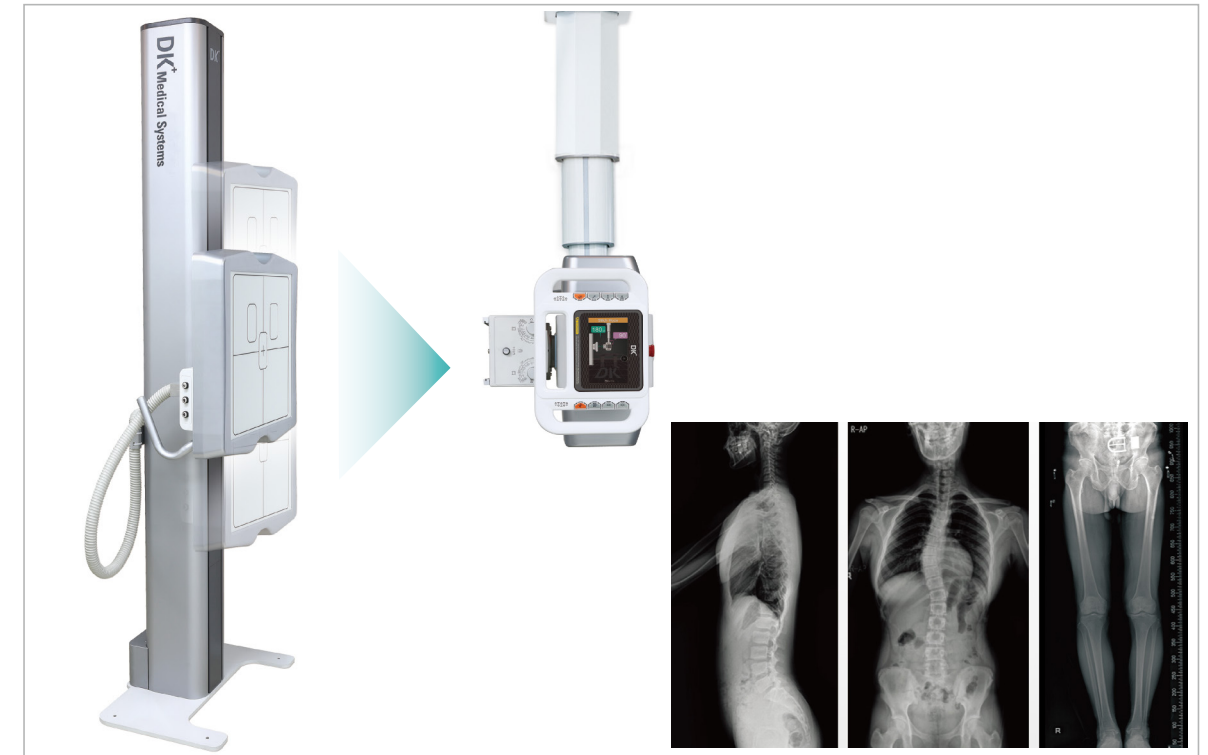


7 inch LCD on Handle Bar
Displays Tube Angle Degrees /SID
Bucky & Table Mode

Motorized Up and Down Movement

Auto Stitching

- ❖ Automatically merging two to three images after shooting for whole-spine and long bone images



Ergonomic Design

Easy To Position for Wheelchair Patient



Digital Radiography System

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Ceiling Type (Elin-T3 Plus)

The Field-proven System

- The Best Selling and Customer-proven System
- Can Be Configured to Manual or Semi-auto



Specification

Elin-T3 (Tube Support)	
Balance System	Spring Balance
Vertical Travel	1,300mm
Longitudinal Travel	Max. 2,867mm
Transverse	Max. 2,711mm
Tube Rotation	±180°
Tube Swivel	±180°
Driven Type	Manual Driven (Motor Option)
THD*	Analog Type Goniometer
	LCD Light

TF-90 (Table)	
Type	4 Way Table
Dimension (H)	700mm
Dimension (L)	2,000mm
Dimension (W)	800mm
Longitudinal Travel	630mm
Transverse Travel	300mm
Bucky Movement Range	479mm
Bucky Type	Cassette Tray Type (Basic)
	Fixed Detector Type (Option)
Tabletop Material (Basic)	Melamine (Basic)
	Acryl (Option)

DS-90 (Stand)	
Type	Bucky Stand
Balance System	Weight Balance
Bucky Type	Cassette Tray Type (Basic)
	Fixed Detector type (Option)
Vertical Travel	1,450mm
Height	2,026mm
Drive Type (Vertical)	Manual
Vertical Lock	Electro magnetic

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Universal Type System



| SF-90T / DS-90T / TM-22

Specification

DS-90T (Detector Support)		SF-90T (Tube Support)	
Type	Detector Stand	Type	Floor to Ceiling Type
Balance System	Weight Balance	Balance System	Spring Balance
Vertical Travel	Rail 2,400mm (Basic) : 1,300mm Rail 3,000mm (Option) : 1,700mm	Vertical Travel	1,450mm
Detector Rotation	45°	Longitudinal Travel	Rail 2,400mm(Basic) : 1550mm
Detector Tilting	90°		Rail 2,800mm(Option) : 1,950mm
Driven Type (Vertical)	Motor Driven		Rail 3,500mm(Option) : 2,650mm
Driven Type (Longitudinal)	Motor Driven	Transverse Travel	0mm
Vertical Travel	Electro Magnetic Lock	Tube Rotation	±180°
Detector	Detector (Fixed as 17x17 size)	Tube Swivel	0°
TM-22 (Mobile Table)		Driven Type	Manual Driven
		THD*	Analog Type Goniometer
			LED Light
Type	Mobile Table		
Dimension (H)	750mm		
Dimension (L)	1,740mm		
Dimension (W)	775mm		

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Feature

Unique and Resourceful Design

- Versatile digital radiography system equipped with a 17"x17" flat-panel detector
- Specifically designed for limited spaces, especially those with low ceilings



| Chest Mode



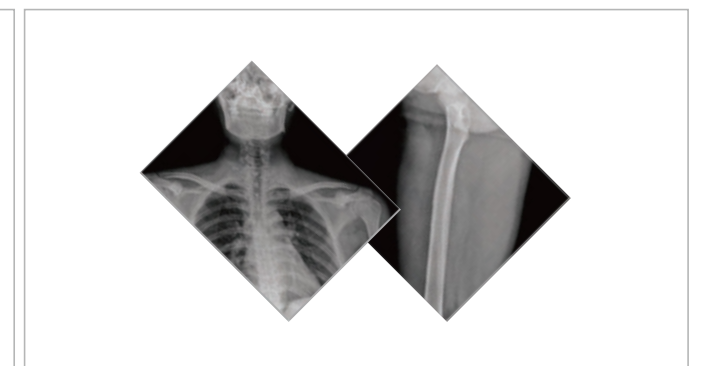
| Table Mode



| Stand Knee / Ankle Position



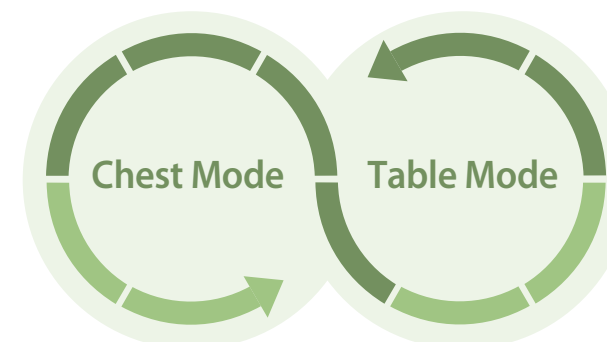
| 45 ° Rotation



| Shoulder / Clavicle Image

Motorized Remote Control

- Transformation Motorized by Remote control



Digital Radiography System

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3-in-1 Type System



I DS-90 / ST-90D

Specification



I ST-90D



I DS-90

ST-90D		
Tube Stand	Vertical Movement	1,450mm
	Longitudinal Movement	1,400mm
	Transverse Movement	125mm
	Balance Type	Weight Balance
	Tube Rotation	±180°
Tabletop	Length	2,000mm
	Width	742mm
	Height	700mm
	Longitudinal Movement	600mm
	Transverse Movement	225mm
	Bucky Unit Travel	480mm
	Table Material	Melamine
	Bucky Type	Cassette Tray Type (Basic)
	Vertical Movement	Fixed Detector Type (Option)
Lock Type	Manual Type by Electromagnetic	

DS-90	
Type	General Bucky Stand
Balance System	Weight Balance
Bucky Type	Cassette Tray Type (Basic)
	Fixed Detector Type (Option)
Vertical Travel	1,450mm
Height	2,026mm
Driven Type (Vertical)	Manual
Vertical Lock	Electro Magnetic Lock

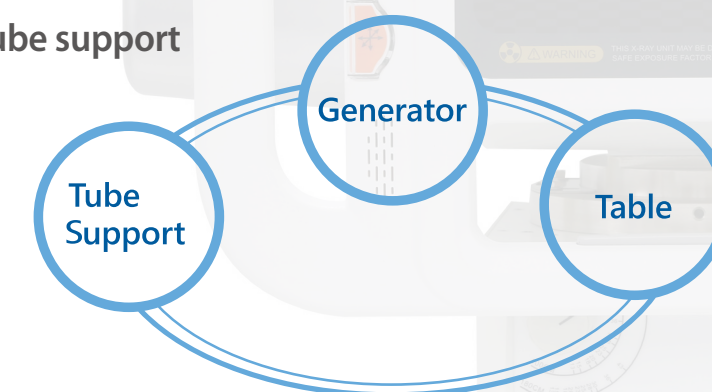
※ The specification on the table can be changed.

Feature



3-in-1 System

- Combined system consisting of tube support table and generator
- Efficient space utilization



Tube Support & Table Synchronization

- Bucky tray following in same direction with tube stand movement
- Collimator turning on automatically when operators press the footswitch



Standing Knee Position

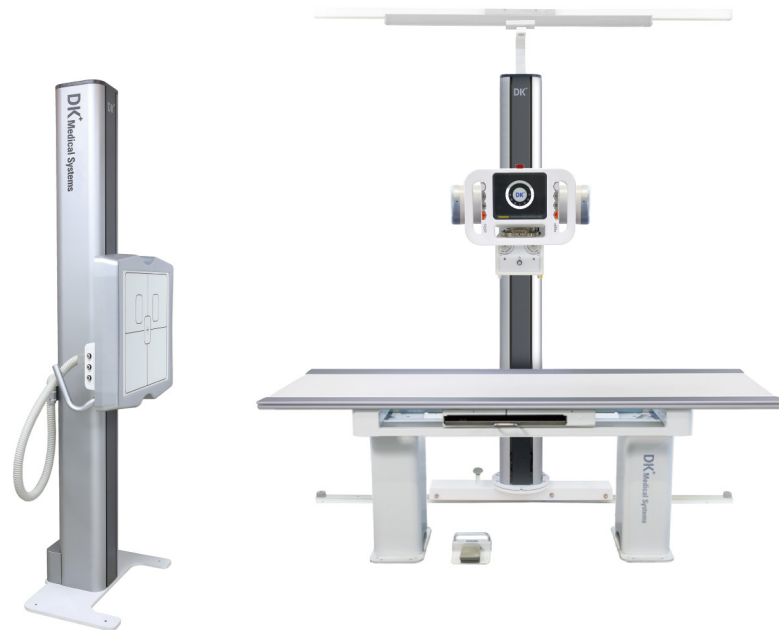
- Enable users to take images more conveniently without any hospital stool



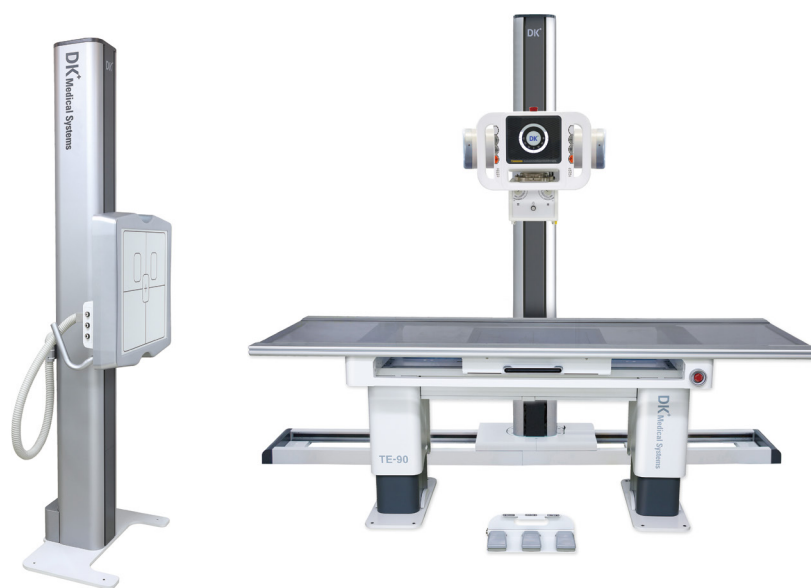
Digital Radiography System

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Floor Type System



I SF-90B (Floor to Ceiling Type) / DS-90 / TF-90



I SF-90C (Stand Alone Type) / DS-90 / TE-90

Specification

I SF-90B



SF-90B	
Type	Floor to Ceiling Type
Balance	Weight Balance
Vertical Movement	1,450mm
Longitudinal Travel	Rail : 2,400mm (Basic) : 1,550mm
	Rail : 2,800mm (Option) : 1,950mm
	Rail : 3,500mm (Option) : 2,650mm
Transverse Travel	225mm
Tube Rotation	±180°
Tube swivel	±90°
Driven Type	Manual
THD	Goniometer (LED Type)

I SF-90C



SF-80C	
Type	Floor to Ceiling Type
Balance	Weight Balance
Vertical Movement	1,450mm
Longitudinal Travel	Rail : 2,400mm (Basic) : 1,800mm
	Rail : 3,000mm (Option) : 2,400mm
Transverse Travel	225mm
Tube Rotation	±180°
Tube swivel	±90°
Driven Type	Manual
THD	Goniometer (LED Type)

I DS-90



DS-90	
Type	Floor to Ceiling Type
Balance System	Weight Balance
Bucky Type	Cassette Tray Type (Basic) Fixed Detector Type (Option)
Vertical Travel	1,450mm
Height	2,026mm
Drive Type (Vertical)	Manual
Vertical Lock	Electro Magnetic

I TF-90



TF-90	
Type	4 Way Table
Dimension (H)	700mm
Dimension (L)	2,000mm
Dimension (W)	800mm
Longitudinal Travel	630mm
Transverse Travel	300mm
Bucky Movement Range	479mm
Bucky Type	Cassette Tray Type (Basic) Fixed Detector Type (Option)
Tabletop Material (Basic)	Melamine (Basic) Acryl (Option)

I TE-90



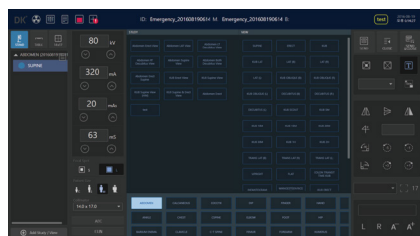
TE-90	
Type	6 Way Table
Dimension (L)	2,000mm
Dimension (W)	800mm
Longitudinal Travel	630mm
Transverse Travel	300mm
Vertical Travel	290mm (566~856mm)
Bucky Movement Range	479mm
Vertical Movement Type	Actuator Type
Bucky Type	Cassette Tray Type (Basic) Fixed Detector Type (Option)
Tabletop Material	Melamine (Basic) Acryl (Option)

※ The specification on the table can be changed.

Elui Software

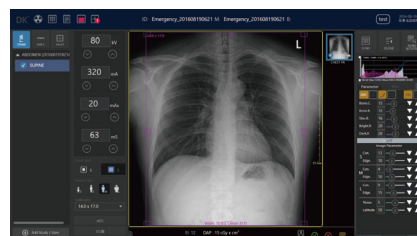
Optimized Image Processing Software

Elui is an advanced image-processing software optimizing the digital radiography. By using Elui, X-ray exposure and image parameters can be adjusted conveniently on the main screen. After the exposure, captured image will be transferred and be checked immediately through a monitor (within 3 sec through wired detector). This benefit can speed up your workflow and save your time. With Elui image processing software, you can see and diagnose the patient condition in right time, making medical condition better.



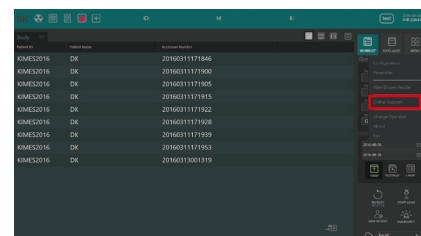
Powerful User Interface

- All-in-one Work Flow
- Display Device Information



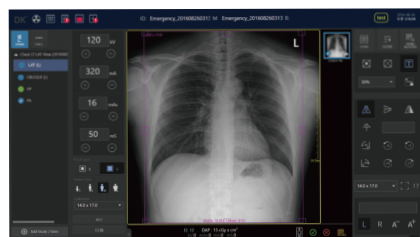
Advanced Post Processing Image

- Superior Noise Processing
- Optimized Image Processing



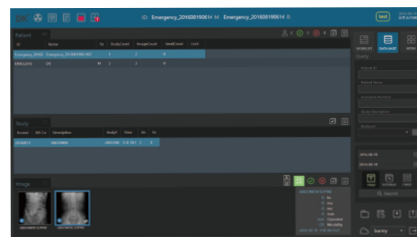
Remote Service

- Remote Access Software Included
- Download Files and Maintenance Instructions



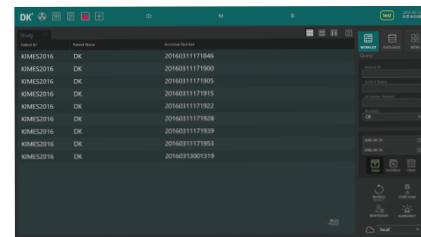
Easy Tools

- Eidetic Icon
- Convenience Motion (Pan/Zoom/Windowing)



Easy Statistics Report

- Support Statistical Analysis Function
- Export Image

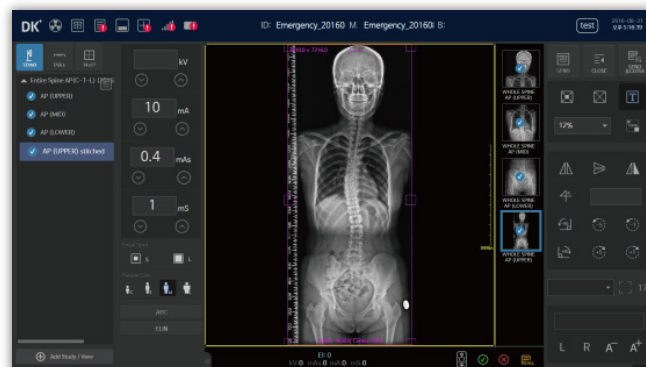
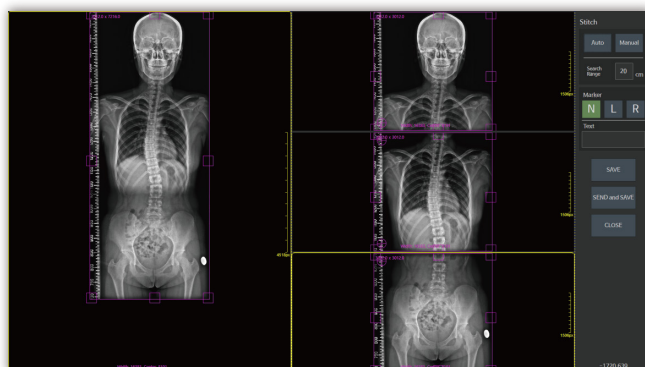


Patient Worklist

- Support Modality Worklist
- Easy Emergency Study

Stitching

This stitching module allows you to stitch several images automatically, perform measurement and send DICOM compliant image to a printer and/or PACS.



Specification

FPD Specification	1417SA(B)	1417WA(B)
Detector Type	Indirect	Indirect
X-ray Conversion	A : CSL (Cesium Iodide)	A : CSL (Cesium Iodide)
	B : Gadax (Gadolinium Oxysulfide)	B : Gadax (Gadolinium Oxysulfide)
Wired / Wireless	Wired	Wireless
Panel Size	14 X 17 inch	14 X 17 inch
Total Pixel Number	2,560 X 3,072	2,560 X 3,072
Image Format	14 Bit	14 Bit
Spatial Resolution	4.0 lp/mm	4.0 lp/mm
Pixel Pitch	140 Micron	140 Micron
Acq. time*	Elui(DXIE) : 2.4 sec	- Wireless type Elui(DXIE) : 5.7 sec Elui(XIPL) : 7.5 sec
	Elui(XIPL) : 4.2 sec	- Wired Type Elui(DXIE) : 3.2 sec Elui(XIPL) : 5 sec
AEC	Yes	Yes
Dimension	444 X 460 X 15mm	384 X 460 X 15mm
Weight	3.6kg	3.4kg

FPD Specification	1717NA(B)	1717NA(B)W
Detector Type	Indirect	Indirect
X-ray Conversion	A : CSL (Cesium Iodide)	A : CSL (Cesium Iodide)
	B : Gadax	B : Gadax
Wired / Wireless	Wired	Wireless
Panel Size	17 X 17 inch	17 X 17 inch
Total Pixel Number	3,048(W) X 3,048(H) Pixel (FXRD-1717NA)	3,060 X 3,060
	3,072(W) X 3,072(H) Pixel (FXRD-1717NB)	Indirect
Image Format	16 Bit	16 Bit
Spatial Resolution	4.0 lp/mm	4.0 lp/mm
Pixel Pitch	140 Micron	140 Micron
Acq. time*	Elui(DXIE) : 2.7 sec	- Wireless Type Elui(DXIE) : 4.2 sec Elui(XIPL) : 6 sec
	Elui(XIPL) : 4.5 sec	- Wired Type Elui(DXIE) : 2.7 sec Elui(XIPL) : 4.5 sec
AEC	Yes	Yes
Detector Type	460 X 460 X 15.5mm	460 X 460 X 15.5mm
Detector Type	4.2kg	4.5kg

* The specification on the table can be changed.