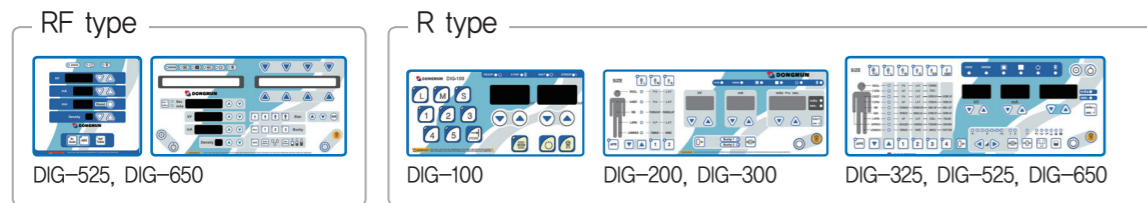


# Fluoroscopy & Radiography X-Ray System



## Generator



	DIG-100	DIG-200	DIG-325	DIG-525	DIG-650	DIG-1150
Type	R	R	R	R & RF	R & RF	R & RF
Power Rating	12,5kW	15kW	32kW	40kW	50kW	80kW
Radiography kV(Accuracy)	40-125 (±10%+1kV)	40-125 (±5%+1kV)	40-125 (±5%+1kV)	40-125 (±5%+1kV)	40-125 (±5%+1kV)	40-125 (±5%+1kV)
mA Range	100	50,100,150,200	10~400	10~500	10~630	10~1,000
mA Accuracy	±15%+1mA	±5%+1mA	±5%+1mA	±5%+1mA	±5%+1mA	±5%+1mA
Time Range	1mS~6sec	1mS~6sec	1mS~10sec	1mS~10sec	1mS~10sec	1mS~10sec
mAs Range	0,4~320mAs	0,4~320mAs	0,1~500mAs	0,1~500mAs	0,1~630mAs	0,1~1000mAs
APR	15	216	216	216	216/500	500
AEC	Yes	Yes	Yes	Yes	Yes	Yes
ABC	Option	Option	Option	Option	Option	Option
Fluoroscopy	kv (accuracy)	-	-	40-100 (±5%+1kV)	40-125 (±5%+1kV)	40-125 (±5%+1kV)
	mA	-	-	1~4mA (0,1step)	1~4mA (0,1step)	0,5~10mA (continuous)



# Fluoroscopy & Radiography X-Ray System

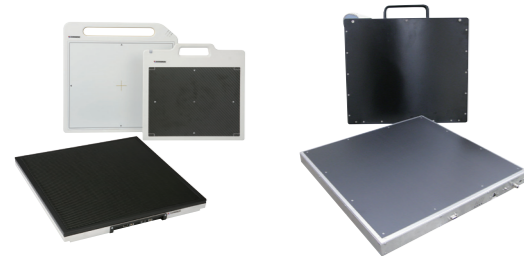
[www.dongmun.net](http://www.dongmun.net)

## MPR



Model	DM-MPR-1	
U-arm	Vertical movement	90-190cm
	Expansion & Contraction	90-190cm
	Swiveling	± 180°
Lock Release	Electromagnetic Lock :	
System	Vertical, Transverse, Longitudinal, Rotating	
Handle bar	Rotation of x-ray tube unit	± 180°
Bucky	Reciprocating, Solenoid	
	Tilting : ± 45°	

## Flat panel detectors(Wire & Wireless)



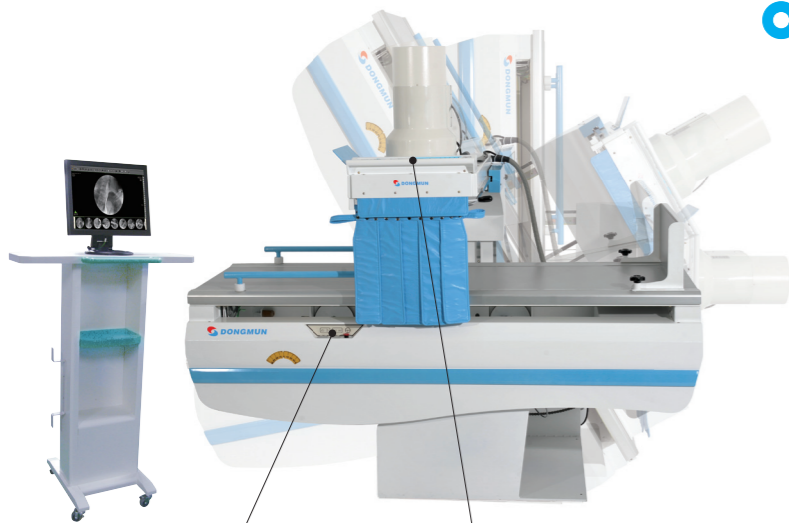
	Detector	DMC-12DR	DMC-14DR	DMC-17DR
Flat panel	Pixel Matrix	2080 x 2560	2400 x 2880	3072 x 3072
	Pixel Area(Active)	264 x 325mm	360 x 432mm	439,3 x 439,3mm
	Pixel Pitch	150 μm	150 μm	143 μm
	A/D Conversion	14-bit	14-bit	14-bit
Wire or wireless	Grayscale	16384	16384	-
	Dynamic Range	>73dB	>14000LSB	>73dB
	Resolution	3,91p/mm	3,31p/mm	3,51p/mm
	Energy Range	40~150kVp	40~150kVp	40~150kVp
	Data Output	Ethernet 100Mbps	Ethernet 1Gbps	Ethernet 100Mbps



## System Model

Model	DM-100	DM-200	DM-3125	DM-5125	DM-6150	DM-1150
Generator	DIG100	DIG200	DIG325	DIG525	DIG650	DIG1150
Tube Supporter	FCT-1/500C/MPR	-	-	-	-	-
Table	BT-1/BT-6	-	-	BT-1/BT-6/RFT-1	-	-
Wall Stand	VB-1	-	-	-	-	-
Collimator	Manual/Auto	-	-	-	-	-
Tube	0,6-1,2/1,0-2,0	-	-	-	-	-

# Fluoroscopy X-Ray System



## Feature

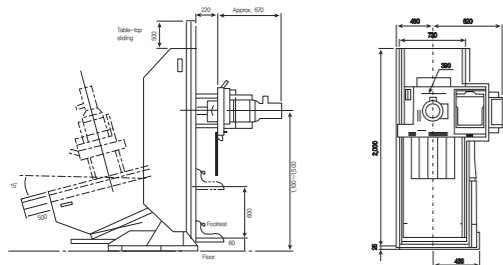
- This system are compactly designed for use with Flat panel detector, and film.
- Operation consoles of touch screen type or soft-touch switch type.
- Standard mA selection of 500mA, 630mA and 1000mA.
- KV selection of 125kV and 150kV.
- Available with functions of APR, AEC, Tomography, DAP, Surgery, intervention, DSA, Pulse fluoroscopy.
- Self-diagnosis and tube overload protection.
- Wide range of counter-balanced tube supporters, electro-magnetic lock of  $\pm 180^\circ$  of tube rotating and stand column.
- Motor-driven diagnostic table designs have 2-tubes with image intensifier (6", 9" or 12") and CCD camera.
- Spot film device has the exposure programs of 8x10" (18x24cm) in four formats, 10x12" (24x30cm) in two formats.
- Under couch of motor-driven collimator and upper couch has manual collimator (Auto-collimator controlling at operation).
- Bucky device unit of solenoid type for cassette is standard.
- Tabletop is moving longitudinally and transversely (option).
- Remote control operating console is optional.
- Digital 1-tube design to use with Dynamic flat panel detector or image intensifier with CCD camera are available.
- The software compatible to Dicom 3.0 is provided with auto-collimator.
- Erect stand of vertical standard moving 50-165cm, counter-balanced.
- PC work station and High resolution monitor with smart trolley are provided.



Table Op



Spot Op

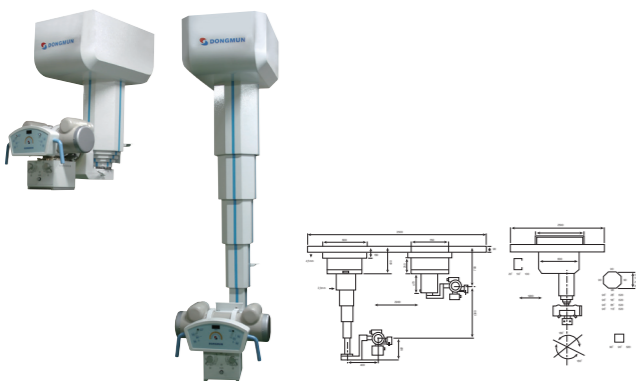


RF Table		DM-RFT-5
Table tilting	Type	Motor driven
	Range	Standard: $\pm 90^\circ - 15^\circ$ option: $\pm 90^\circ - 20^\circ$
	Speed	$90^\circ / 20 \text{ sec}$ , 50/60Hz
Tabletop sliding	Type	Motor
	Movement range	· Horizontal; $\pm 50\text{cm}$ · Upward[tilting position] : 50cm · Lateral : $\pm 11\text{cm}$ [option]
	speed	· 3,6cm/sec, 60Hz · 5cm/sec, 50Hz
Tabletop	Material	Laminated 60mmT
	Focal distance	41cmH
	filtration	Less than 1,0mm AL, Eq. at 100KV
	Tabletop to film	6,5cm
Bucky	Type	Solenoid reciprocating
	Parking	Slide parking from left to right
Spot film device or Dynamic FPD, Movement	Longitudinal	60cm
	Transversal	$\pm 12\text{cm}$
	Vertical	14cm - 50cm
Image assembly or Dynamic FPD	Image intensifier	12", 9", 6" selectable
	Camera	CCD(400K pixels, 1M pixels selectable)
Monitor with trolley		17" monitor standard & four wheels trolley
Compression cone		Manual operation
Field collimation	Under couch	Motor driven
Power requirement		200VAC, 3KVA, 50/60Hz, single phase
Weight	Net weight	650kg except image assembly
Dimensions		Approx. 200cmL x 72cmW x 85cmH
Installation	Minimum	310cmL x 158cmW x 260cmH

### Exposure Program

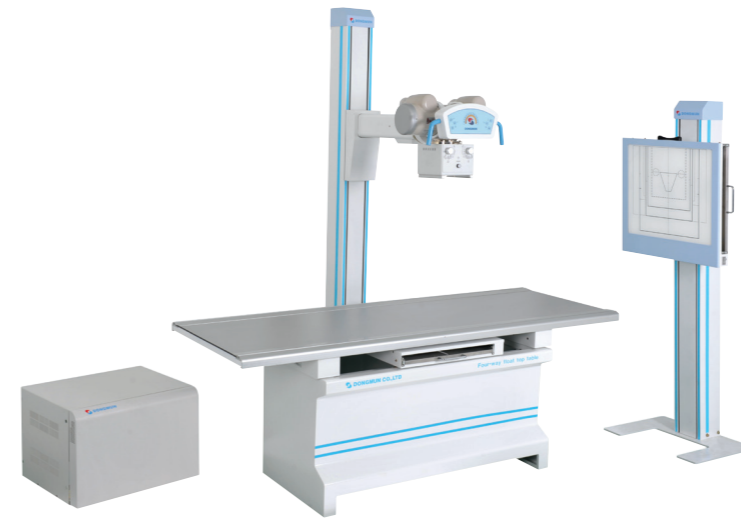
Inch	Cm	Format
8 x 10	18 x 24	
10 x 12	24 x 30	
14 x 14	35 x 35	

## Tube supporter, Ceiling suspended



Model	DM-500C
Movement	130cm vertical(option: motor-driven)
	190cm lateral(option: 240cm)
	290cm longitudinal(option: 340cm)
Tube positioning	Rotation along horizontal and vertical axis $\pm 180$ degrees with an index stop every 90 degrees.
	Electromagnetic locks on horizontal rotation with a positive stop at any angle.
Longitudinal rails length	350cm (option: 400cm)
Transverse bridge length	250cm (option: 300cm)
Counter balance system	Spring balance
Vertical support capability	32kg max
Required ceiling height	240cm minimum
Power requirements	220V AC, 1Amp, 50/60Hz
weight	62kg

# Radiography X-Ray System



## Feature

- System Model : DM-100, Dm-200, DM-3125, DM-6150, DM-1150
- Operation consoles of touch screen type or soft-touch switch type.
- Wide standard mA selection of 100mA, 200mA, 400mA, 500mA, 630mA and 1000mA.
- KV selection of 125kV and 150kV.
- Available with functions of APR, AEC, Tomography, DAP.
- Self-daagnosis and tube over-load protection.
- Wide range of counter-balanced tube supporters, electro-magnetic lock, of  $\pm 180^\circ$  of tube rotating and stand column rotating in three designs of floor to ceiling, floor mounted, ceiling suspended.
- Collimator of manual operation is standard and Auto-collimator is available.
- Providing with one of patient tables which have tabletop movements of 6-way elevating/floating, 4-way floating and Fixed.
- Erect stand of vertical standard moving 50-165cm, counter-balanced.
- Available with 1-Flat Panel Detector or 2-Flat Panel Detectors, with software(medical and veterinary), compatible to Dicom 3.0.

## Diagnostic Tables

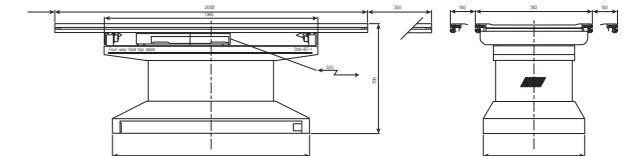


4-way



6-way

Model	6-way(Elevating)		4-way	
	DM-BT-6		DM-BT-1	
Tabletop	Movement	Longitudinal: $\pm 450\text{mm}$	Longitudinal: $\pm 350\text{mm}$	
		Transverse: $\pm 150\text{mm}$	Transverse: $\pm 150\text{mm}$	
		Elevating: $\pm 320\text{mm}$ , Motor-driven	n/a	
	Material	10mmT Laminated Filtration : 10mm AL, eq.		
	Tabletop to Film distance	65mm		
Bucky	Reciprocating	Solenoid		
	Moving range	230mm		



## Tube supporters



Floor to ceiling



Floor mounted

Model	DM-FCT-1	
Longitudinal	Min, 1,400mm	Min, 1,600mm
Vertical	650-1,900mm	
Transversal	880-1,230mm	
Rotating	$\pm 180^\circ$	
Handle bar(tube)	$\pm 180^\circ$ manual lock	

