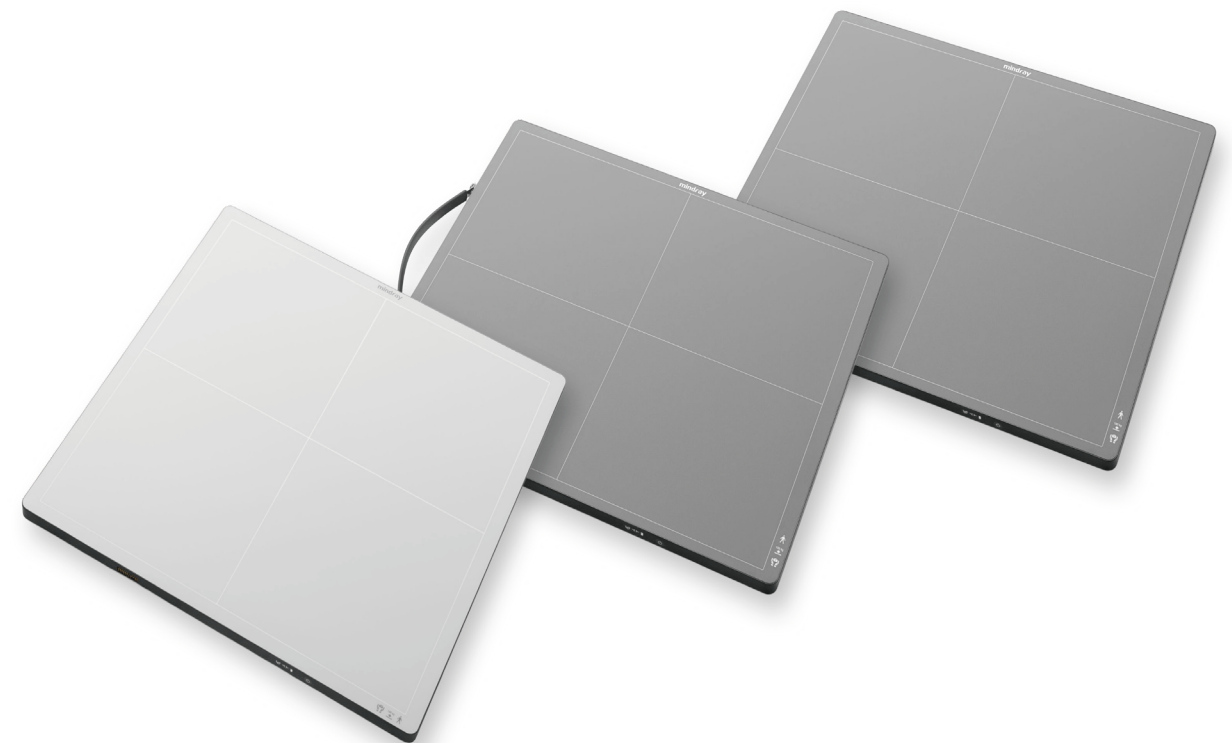


RetroPad

Retrofit System

Designed for Your Digitalization



Technology & Hardware

Mindray's top-level patented technologies have been assembled in the light-weighted wireless detector providing the finest possible user experience.

- Exquisite design
- Craftsman production
- High quality control



Mag-sence auto-stick charging



IP 54

Features

- Csl+TFT
- High DQE
- 3.3kg in weight, wireless (43cmx35cm)
- IP54, liquid & dust resistant
- 200kg weight bear when distributed evenly 100kg @Φ 4 qmm)
- AED technology compatible to all X-ray radiography system
- Mag-sence for atuo-stick charging connection
- Wireless data transmission through route
- Meet 1 m falling down test



Application & Software

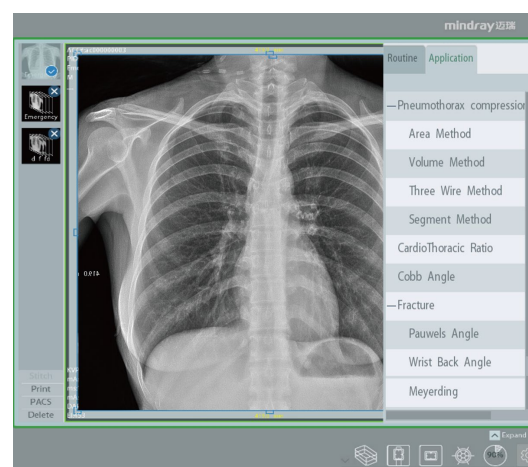
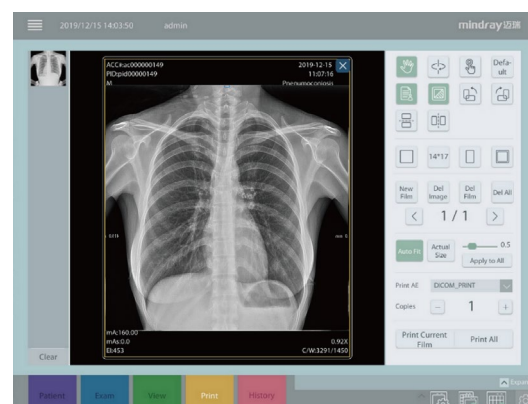
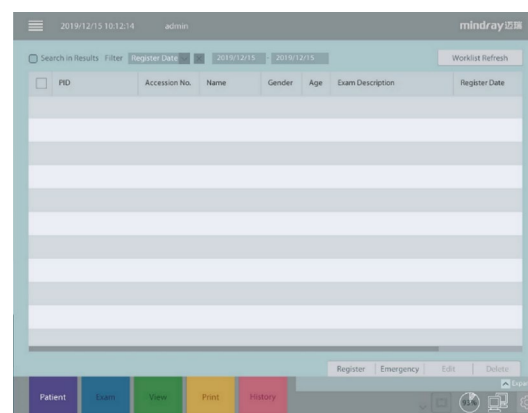
Mindray's self-developed DROC, which can be available on workstation and laptop, features intuitive interface and user friendly workflow to enable you an extraordinary experience. Abundant manipulations of image as well useful measurements application to deliver you absolute convenience. And fully DICOM 3.0 standard can meet the latest version of connectivities to existed information networks.

Software Functions Patient registration

- Patient data edit
- Expose parameter adjustment
- Image process
- Image view
- Film print
- Detail enhancement
- Noise suppression
- Optimization curve regulation
- Tissue equalization

Image view functions window width/level

- Clip
- Zoom
- Pan
- Magnifier
- Invert
- ROI window width/level
- True size
- Rotate
- Flip
- Image annotation
- Measurements
- Retrospective collimation

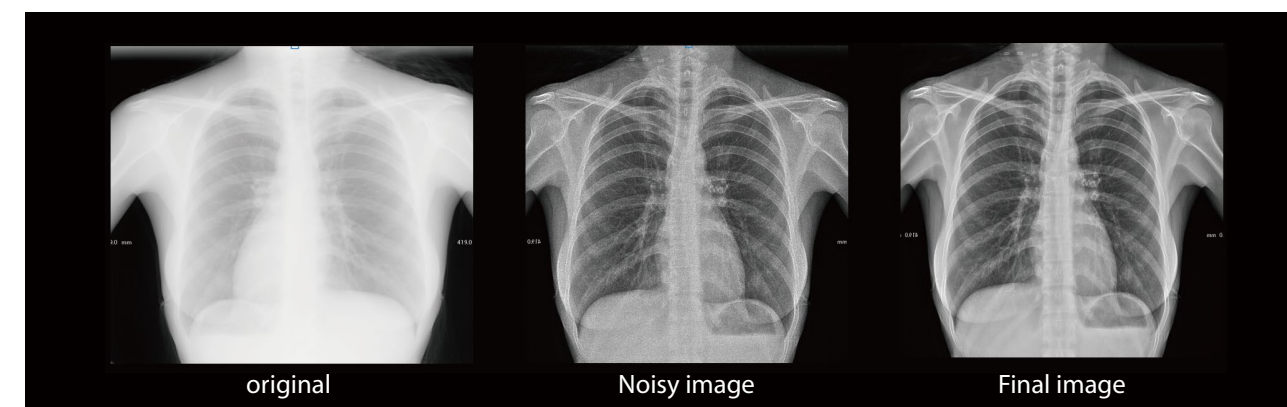


Networking & Security DICOM 3.0

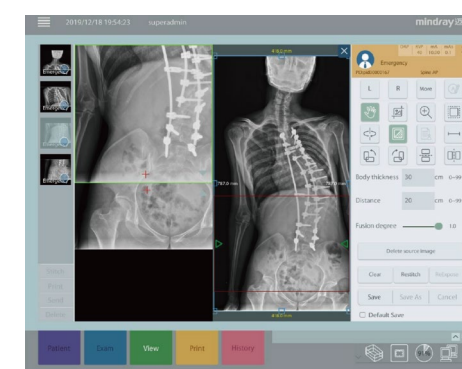
- DICOM verification
- DICOM storage(include Image auto transfer)
- DICOM Storage Commitment
- DICOM worklist
- DICOM print
- Data Protection against deletion

LEVELs Advance Image Processing

Detail enhancement, noise suppression, Optimization curve regulation, tissue equalization



iStitch - Panoramic Imaging Technology (Optional)



To achieve full spine or legs radiography. The console software provides the optional image stitching function to stitch the images of spine and legs of the patient in different areas to form a complete single image

Specifications

Model Name		EPX3543R	EPX4343R	MPX3543R	MPX4343R
External Dimensions		384mm x 460mm x 15.5mm	460mm x 460mm x 15.5mm	384mm x 460mm x 15.5mm	460mm x 460mm x 15.5mm
TFT Type		a-Si			
Scintillator		CsI			
Pixel Size		140 μm			
Image Area	Pixel Matrix:	2560×3072	3072×3072	2560×3072	3072×3072
	X-ray Sensitive Area	14" x 17" (35 cm x 43 cm)	17" x 17" (43 cm x 43 cm)	14" x 17" (35 cm x 43 cm)	17" x 17" (43 cm x 43 cm)
MTF	1.0 lp/mm,RQA5	0.55			
	2.0 lp/mm,RQA5	0.3			
DQE	0 lp/mm,RQA5	56%	56%	70%	70%
	0.5 lp/mm,RQA5	42%	42%	53%	53%
	1.0 lp/mm,RQA5	35%	35%	43%	43%
	1.5 lp/mm,RQA5	29%	29%	36%	36%
	2.0 lp/mm,RQA5	25%	25%	32%	32%
	2.5 lp/mm,RQA5	21%	21%	27%	27%
	3.0 lp/mm,RQA5	17%	17%	21%	21%
	3.5 lp/mm,RQA5	11%	11%	14%	14%
Spatial Resolution		3.6lp/mm			
A/D Conversion		16bit			
Communication	Type	Wireless 2.4 GHz or 5 GHz			
	Wireless	IEEE 802.11n and IEEE 802.11ac			
	AED (Auto Exposure Detection)	Support			
Image Acquisition Time		4.9s	5.3s	4.9s	5.3s
Durability	Point load	100kg			
	Uniform load	200kg			
	Drop grade	1m			
	Dust and Water Resistant	IP54			
Battery	Operating Time	≥3h			
	Charging Time	<3h			
Weight		3.3±15%kg (including battery)	4±15%kg (including battery)	3.3±15%kg (including battery)	4±15%kg (including battery)
Operation Temperature		10℃ to 38℃			
Operation Humidity		20% ~ 75% RH			
Operating atmospheric pressure range		62 kPa to 106 kPa			