	Delft Light	Delft Ultra	MinXray Impact TR90BH	Fujifilm FDR Xair	Fujifilm FDR nano	MINE 2	MINE ALNU
SPECIFICATIONS	info@delft.care	info@delft.care	info@minxray.com	contact through web-inquiry form	contact through web-inquiry form	contact@picohdt.com	contact@picohdt.com
Product description Portable digital radiography system with single flat panel detector, capable of taking digital	Battery-powered,	Battery-powered,	Battery-powered,	Battery-powered,	Battery-powered,	Battery-powered,	Battery-powered,
chest X-rays in erect position (with dedicated detector stand) X-ray generator	ultra-portable DR system	ultra-portable DR system	ultra-portable DR system	ultra-portable DR system	portable DR system	ultra-portable DR system	ultra-portable DR system
Output power KV range	1.35 KW 40–90 kV	1.2 KW 60 kV fixed	40–90 kV	450 W 50–90 kV	2.5 Kw 40–100 kV	120 W 70 kV	240W 60–80kV
mAS range Maximum filament current	5–20 mA	0.6–2.6 mAs 2 mA fixed	10-20 mA	0.2–2.5 mAS 5 mA at 90 kV	0.25–25 mAS 25 mA at 71 kV	2 mA at 70 kV	3mA (fixed) 3 mA at 80kV
Exposure time range Automatic exposure control	0.01-1 sec NA	0.03-1.3 sec NA	NA	0.04-0.5 sec NA	0.01-1 sec NA	0.01-1.30 sec NA	0.1-1.30 sec NA
Tube power rating Anode type and focal spot	Stationary, single focal spot 0.8 mm, Toshiba	Stationary, single focal spot 0.8 mm, Toshiba	Stationary, single focal spot	Stationary, single focal spot 0.8 mm	Stationary, single focus, 1.2 mm	Stationary, single focal spot 0.4 mm	Stationary, single focal spot 0.4 mm
Heat storage capacity Cooling rate		7000J (10.000 HU)		9,300 HU	50 KHU	4.3 kJ NA	4.5 kJ 120W
Collimator Total filtration	multileaf collimator with halogen light	non-adjustable cone with laser alignment 2.3 mm Al	multileaf collimator with halogen light	multileaf collimator with halogen light 2.5 mm Al equivalent or higher at 70 kV	multileaf collimator with positioning light 1.2 mm Al equivalent at 70 kV	cone beam collimator 2.0 mm Al equivalent	multileaf collimator Min. 2.0 mm Al, 1. + 0.1 mm Cu equivalent
Overload protection	Oley (villa hallare)	Software controlled temperature prevent an exposure	7.416-	0.5 V	an error sign appears	Oil immersed (60°C Max.) and convection oil cooling	Oil immersed (60°C max.) and convection oil cooling
Input power	8 kg (with battery) rechargable battery, optional - MobiSun solar panel can be added	2.6 kg rechargable battery	7.4 Kg 60 VDC recgargable Lithium-ion battery	3.5 Kg rechargable battery	90 kg rechargable battery	1.8 kg 11.1 V rechargable battery; battery charger: 100–240V, 50–60Hz, 1A	2.8 kg 25.2 V rechargable battery; battery charger: 100–240V, 50–60Hz, 1A
Battery charging time	4–6 hours	2 hrs		4.5 hours, low battery alarm	full charge in 4 hrs, 12 hrs use (20 exposures/ hr), 1 hr use with 15 mins charge	5 hrs, 'Low battery' indicator/reader	5 hrs, 'Low battery' indicator
Exposure capacity when full charged X-ray generator stand frame	approx 200	approx 100				100	100
	Lightweight, adjustable fully counter balanced by spring load	Lightweight, modified tripod,adjustable in length from 34.3 to 164.5 cm and weighs 1 kg	Tripod or portable stand	Tripod or portable stand	not needed	Tripod or portable stand	Tripod or portable stand, cart system also available
X-ray detector Active detector area	CANON CXDI 702C series, 35 cm x 43 cm	Rayence 1417WCC/WGC, 35 cm x 43 cm	Direct Deposit Csl:T1, 35 x 43 cm	FDR D-EVO II, 35 x 43 cm, or FDR D-EVO II 43x43cm	FDR D-EVO II, 35 x 43 cm	42 x 43 cm	42 x 43 cm
Time to display image after exposure	< 5 sec	< 3 sec	approx 4 sec	< 3 sec 150x150µm, number of pixels;	< 2.7 sec 150x150µm, number of pixels;	cycle time 8 sec, full image 3 sec	cycle time 8 sec, full image 3 sec
Pixel pitch	125µm	140µm	154 μm	2836x2336 for 35x43 cm size detector, and 2836x2832 for 43x43cm size detector	2836x2336 for 35x43 cm size detector, and 2836x2832 for 43x43cm size detector	140 μm	140 µm
Spatial resolution Detection quantum effiency (DQE)	4 lp/mm 85%	3.5 lp/mm 80%		1 lp/mm 45% for GoS scintillator,	1 lp/mm 45% for GoS scintillator,	3.9 lp/mm DQE @ 0.1 lp/mm (Typ.) 72% /	3.9 lp/mm DQE @ 0.1 lp/mm (Typ.) 72% /
Dynamic range	pixel matrix 2800x3408	pixel matrix 2440x2992		72% for Csl scintillator 2836x2336 pixel for 35x43	72% for Csl scintillator 2836x2336 pixel for 35x43	MTF @ 0.5 lp/mm (typ.) 89% 3072 x 3072 pxl	MTF @ 0.5 lp/mm (typ.) 89% 3072 x 3072 pxl
Power source Recharge power source	rechargable battery operates at 110 to 240V, 50-60Hz	rechargable battery operates at 110 to 240V, 50-60Hz	2 rechargable battries operates at 110 to 240V, 50-60Hz	rechargable battries operates at 110 to 240V, 50-60Hz	rechargable battries DR slot available in equipment for charging	rechargable battries 100 to 240V, 50-60Hz, 1A	rechargable battries 100 to 240V, 50-60Hz, 1A
Exposure capacity Charging time	100 exposures < 30 minutes	typically 4 hours of continous use 2 hours		100 exposure approx 3 hrs	100 exposure approx 3 hrs	200 exposure 5 hours. With 'Low battery' indicator/reader	200 exposure 5 hours. With 'Low battery' indicator/reader
Extra battery Connection type	included wired or wireless	included wireless (wired as an option)	included wired or wireless	included wired or wireless	included wired or wireless	included wired or wireless	included wired or wireless
Weight Potential and the second secon	< 3 kg Operating with latest Windows, image scatter	< 4 kg with battery Clear-On mobile software running on build in mini-computer. For full diagostic image quality	3.7 kg Operating with MinXray DICOM PACS/DXR	2.6 kg Console Advance Image Processing from	2.6 kg Console Advance Image Processing from	3.2 kg AWS	3.2 kg AWS
Detector software	correction software available	aan external 2 MP screen is recommended Temperature: +10°C to +50°C, Humidity: 15 %	imaging software package	FujiFilm, includes virtual grid and dynamic visualization software	FujiFilm, includes virtual grid and dynamic visualization software		
Storage condition		to 85% RH, Atmospheric Pressure: 500 hPa to 1060 hPa. Operation: Temperature: +10°C to +30°C, Humidity: 15 % to 75% RH, Atmospheric Pressure: 700 hPa to 1060 hPa.	Temperature: 5°C to 35 °C, Humidity: 30 - 75% RH	Storage/transportation: Temperature: -10°C to +50 °C, Humidity: 10 to 90% RH Non-operating condition: Temperature: +5°C to +35°C, Humidity: 10 to 80% RH	Storage/transportation: Temperature: +10°C to +50°C, Humidity: 10 to 90% RH Non-operating condition: Temperature: +5°C to +35°C, Humidity: 10 to 80% RH	Temperature: -20 to 60 °C Humidity: Less than 90% RH, No condensation Pressure: 50 - 106 kPa Altitude: Less than 12,192 m	Temperature: -20 to 60 °C Humidity: Less than 90% RH, No condensation Pressure: 50 - 106 kPa Altitude: Less than 12,192 m
X-ray detector stand/frame	Yes	Yes	Yes	Yes 38.2 to 164 cm from ground	NA NA	Yes	Yes
DR workstation	HP type workstation Windows 10,	Built in PC workstation (a separate laptop can	Customized Dell laptop		Interreted concells panel with multitariah corons	Customized leater	Customized laptop
Display Processor	15" touchscreen monitor i5, i7	also be connected as workstation) i5, i7	Custoffized Dell Taptop	Customized laptop Intel® Core™ i5-8265U, 4 core,	Integrated console panel with multitouch screen 4th Gen Intel® Core™ i5-4300U, 2-Core,	Generation 8, Core i5 processor 8265U,	Generation 8, Core i5 processor 8265U,
RAM	8 GB	8 GB		1.6-3.9GHz processor 8 GB	1.9GHz processor 8 GB	1.6 GHz, turbo boost 3.9 GHz 8 GB	1.6 GHz, turbo boost 3.9 GHz
Hard drive	500 GB SSD	500 GB SSD		S-ATA 256GB Ability for high-resolution (at least 1440x1440)	S-ATA 256GB Ability for high-resolution (at least 1440x1440)	256 GB (can be extended using an external memory)	256 GB (can be extended using an external memory)
Image retrival	Yes	Yes		images to be retrieved, reproduced and stored without loss of quality	images to be retrieved, reproduced and stored without loss of quality	Full HD (1920x1080)	Full HD (1920x1080)
Display language Software	English	English	English	English, French	English, French	English	English
DICOM Patient registration and data	Yes	Yes	MinXray DICOM PACS/DXR imaging software package	Console Advance DICOM PACS from Fujifilm	Console Advance DICOM PACS from Fujifilm	DICOM PACS from HDT	DICOM PACS from HDT
Patient registration and data Exposure parameter regulation	Yes Yes clip, zoom, magnifier, invert, rotate, flip,	Yes Yes clip, zoom, magnifier, invert, rotate, flip,	Yes Yes clip, zoom, magnifier, invert, rotate, flip,	Yes Yes clip, zoom, magnifier, invert, rotate, flip,	Yes Yes clip, zoom, magnifier, invert, rotate, flip,	Yes Yes Clip, zoom, magnifier, invert, rotate, flip,	Yes Yes clip, zoom, magnifier, invert, rotate, flip,
Image processing	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric	annotations, measurements, digital collimation,	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric
APR chest	annotation of images chest APR included	annotation of images APR's including 4 preset for Chest Xray	annotation of images chest APR included	annotation of images chest APR included	annotation of images Chest APR included	annotation of images chest APR included	annotation of images chest APR included
Image storage capacity Interoperability with local PACS	approx 10000 images Yes	approx 2000 images (on internal mini computer)	Yes	Approx 4000 images (17" x 17", 20MB/image) Yes	Approx. 3000 images (17" x 17", 20MB/image) Yes	2000 images Yes	2000 images Yes
CAD/Al integration (bundling option) Transportation case	Yes, CAD4TB	Yes, CAD4TB	Yes, qXR	Yes, Lunit Insight	Yes, Lunit Insight	Yes, JLD-02K (JVIEWER-X)	Yes, JLD-02K (JVIEWER-X)
Operating conditions	Yes	Yes	Yes	Yes	NA	Yes	Yes
Ambient temperature, relative humidity, atmospheric pressure	Temperature: 0°C to +60°C, Humidity: 10 % to 90% Atmospheric Pressure: 500 hPa to 1060 hPa. Other: During transport by air, recommended to reduce the battery charge level to 2 bars on battery level indicator in order	Temperature: +10°C to +50°C, Humidity: 15 % to 85% Atmospheric Pressure: 500 hPa to 1060 hPa. Other: During transport by air, recommended to reduce the battery charge level to 2 bars on battery level indicator in order to	5 - 35 °C, 30 - 75% RH	Storage/transportation: -10 to +50 degrees Celsius, relative humidity 10 to 90% Non-operating condition: +5 to +35 degrees Celsius, relative humidifty 10 to 80%	Storage/transportation: -10 to +50 degrees Celsius, relative humidity 10 to 90% Non-operating condition: +5 to +35 degrees Celsius, relative humidifty 10 to 80%	NA	NA
Radiation protection accessories	to preserve lithium-ion cells	preserve lithium-ion cells	Dananda en contro-t	Dananda an acatus et	Dananda en cartirat	Danarda en control	Dananda en easterest
Regulatory requirements Regulatory approval by specific agencies	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract EDA in process (tentative May/ June 2021)
Regulatory approval by specific agencies ISO 13485 certification	CE	FDA	FDA	CE	CE	ISO 13485 certification	FDA in process (tentative May/June 2021) ISO 13485 certification
User manual and maintenance/service manual in English	Yes	Yes	Yes	Yes	Yes	Yes	Yes
List of important spare parts and accessories with their part number and costing Certificate of calibration and inspection from factory Logbook with instruction for daily weekly monthly and quarterly maintenance checklist	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes
Logbook with instruction for daily, weekly, monthly and quarterly maintenance checklist Terms of Reference for hospital service technician and company service engineer	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes
Installation and Training Application training to be carried out for 2 days for the radiographers and attendants using the machine installed at the hospital facility after commissioning the x-ray unit and biomedical technicians on basic maintenance and troubleshooting	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract
Service and maintenance Comprehensive guarantee and service agreement	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract
Experience with TB programmes in LMICs	Yes	recently launched	Yes	Yes		Yes	Recently launched product
Estimated cost (USD) per unit Set of equipment incl. detector and essential accessories, cost may vary depending upon choice of detectors and countries of shipment	USD 69,500-89,500	USD 49,500-59,500	USD 47,500	USD 70,000	USD 120,000	USD 29,870	USD 29,870.00

	Aspen AiR Touch Europa	Aspen Air Touch Europa+	Medical ECONECT meX+20	RadmediX Acuity PDR	Amadeo P-100/35HB, Leonardo DR nano	ATXtreme, ATOMED X-Ray GmbH	Amadeo M-DR mini
SPECIFICATIONS	AirTouch	lmage not provided by manufacturer	Name of the last o		Image not provided by manufacturer	Image not provided by manufacturer	Image not provided by manufacturer
	sales@aspenstate.com Link	sales@aspenstate.com	info@medical-econet.com Link	info@radmedix.com Link	info@or-technology.com Link	info@ke-meditec.com Link	info@or-technology.com Link
Product description Portable digital radiography system with single flat panel detector, capable of taking digital	Battery-powered,	Battery-powered,	Battery-powered,	Battery-powered,	Battery-powered,	Battery-powered,	AC-powered, portable DR X-ray system
chest X-rays in erect position (with dedicated detector stand) X-ray generator	ultra-portable DR system	ultra-portable DR system	ultra-portable DR system	ultra-portable DR system	ultra-portable DR system	ultra-portable DR system	(high frequency generator)
Output power KV range	60 kV	40–70 kV	1.6 kW at 80 kV 40-100 kV	2 Kw 40–110 kV	2.4 kW 40–100 kV		5 kW 40–110 kV
mAS range		2–5 mA	0.3–50 mAs		0.4–100 mAS		0.1–100 mAS
Maximum filament current Exposure time range	2 mA at 60 kV 0.03-1.30 sec	0.03-2 sec		20–25 mA			
Automatic exposure control Tube power rating	NA	NA	NA		NA	NA	NA
Anode type and focal spot	Stationary, single focal spot 0.8 mm, Toshiba D-081B	Stationary, single focal spot 0.8 mm	Stationary, single focal spot 1.2 mm	Stationary, single focal spot 1.2 mm	Stationary, single focal spot 1.2 mm	Stationary, single focal spot 0.8 mm	Stationary, single focal spot 1.8 mm
Heat storage capacity	1031IIJA D-001D		20 KHU				
Cooling rate Collimator	cone beam type collimator	collimator with patient centring light	250 HU/sec multileaf collimator with LED lamp	LED/laser glass etched crosshair collimator	Collimator with high brightness and	Collimator with laser diodes	Collimator with high brightness
Total filtration	cone beam type commator	Commator with patient centuring light	munical commator with LLD famp	with manually adjustable shutters	integrated timer, dual laser pointer	Commator with laser thoues	and integrated timer
Overload protection Weight	2.49 kg		9.8 kg	13 kg	14.2 kg		
Input power	22.2 V rechargable battery;		rechargable battery	rechargable battery	rechargable Lithium-polymer battery	rechargable Lithium-ion batteries	100-240 V AC (automatic power adjustment)
Battery charging time	battery charger: 100–240V, 50–60Hz, 1A 2 hrs	2 hrs			3 hrs		, , , , , , , , , , , , , , , , , , , ,
Exposure capacity when full charged X-ray generator stand frame	120	120		300	400	140	
	Tripod or medical grade portable stand	Tripod or medical grade portable stand	available	not required, optional mobile cart also available	optional	optional	not required
X-ray detector	Vijannuarke 25 v 42 - 42 v 42 am sizza						
Active detector area Time to display image after expecture	Viewworks 35 x 43 , 43 x 43 cm sizes, can use any detector	Can use any detector	meX+ 1417WCC, 14 x 17 FPD	G3 Acuity DR Panels, 35 x 43 cm, Cs FPD	XenOR 35CW, 35,5 x 43,4 cm	Canon CXDI 701, 35 x 43	XenOR 35CW, 35,5 x 43,4 cm 5–8 sec
Time to display image after exposure Pixel pitch	1.5 sec for wired, 3 sec for wireless depends on detector	1.5 sec for wired, 3 sec for wireless depends on detector	127 μm	140 µm	5–8 sec 154 μm		5–8 sec 154 μm
Spatial resolution	depends on detector	depends on detector	3.9 lp/mm		approx. 3.3 lp/mm		approx. 3.3 lp/mm scintillator (thick
Detection quantum effiency (DQE) Dynamic range	depends on detector	depends on detector	2756 x 3268 pixels	2560 x 3073	scintillator (thick Version for higher DQE) 2,815 (h) x 2,304 Pixel (v) (6.5 million pixel)		Version for higher DQE) 2,815 (h) x 2,304 Pixel (v) (6.5 million pixel)
Power source	rechargable battries	rechargable battries	Li-lon battery (3400 mAh)	rechargable battries, 12 V 5 A	rechargable battries		rechargable battries
Recharge power source	100 to 240V, 50-60Hz	100 to 240V, 50-60Hz	AC 100 to 240V, 50-60Hz	AC powered slim dual battery charger, 110 -240 V, 50 - 60 Hz	100 to 240V, 50-60Hz		100 to 240V, 50-60Hz
Exposure capacity Charging time	depends on detector	depends on detector			400		NA
Extra battery Connection type	wired or wireless	wired or wireless	wired or wireless	wired or wireless	included wired or wireless	wired or wireless	included wired or wireless
Weight	1.95 kg	depends on detector	3 kg	3 kg	3.7 kg	< 4 kg	3.7 kg
Detector software			DICOM PACS compatible, intrnal image memory of 100 images, without connecting to PC	AccuVue image processing DICOM software	OR dicomPACS®DX-R interface software	Image acquisition software CANON NE	Operation by dicomPACS DX-R acquisition station
Storage condition					36 month standard warranty, 12 month on battery, protection and carrying case for detector available with package		
X-ray detector stand/frame							
	Yes	Yes	Yes		Yes		Yes
DR workstation					Customized laptop, 15.6" multitouch display,	High performance customized Panasonic 17"	
Display Processor	Customized laptop	Customized laptop	Customized laptop	Customized laptop/tablet	optical mouse 1.9 GHz (i7-8665U)	touchscreen Toughbook	Customized laptop as integrated workstation 1.9 GHz (i7-8665U)
RAM					8 GB		8 GB
Hard drive Image retrival					512 GB SSD 1920 x 1080 resolution		512 GB SSD 1920 x 1080 resolution
Display language Software	English	English	English	English	English		English
DICOM	Acquisition software DICOM PACS from AI	Acquisition software DICOM PACS from AI	preconfigured with DICOM PACS	pre-configured with DICOM PACS	preconfiguration of the dicomPACS® software	preconfigured with software CANON NE	preconfigured with dicomPACS®DX-R Console Software (SW1000)
Patient registration and data	Yes	Yes	Yes Yes	Yes Yes	Yes	Yes	Yes Yes
Exposure parameter regulation	Yes clip, zoom, magnifier, invert, rotate, flip,	Yes clip, zoom, magnifier, invert, rotate, flip,	clip, zoom, magnifier, invert, rotate, flip,	clip, zoom, magnifier, invert, rotate, flip,	Yes clip, zoom, magnifier, invert, rotate, flip,	Yes clip, zoom, magnifier, invert, rotate, flip,	clip, zoom, magnifier, invert, rotate, flip,
Image processing	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images
APR chest Image storage capacity	chest APR included	chest APR included	chest APR included	chest APR included	chest APR included	chest APR included	chest APR included
Interoperability with local PACS	Yes	Yes	Yes	Yes NA	Yes NA	Yes	Yes
CAD/AI integration (bundling option) Transportation case	No CAD/Al bundling option as of now	No CAD/Al bundling option as of now	NA	AVI	IVA	NA NA	NA
	Yes		Aluminium carrying case		Metal case	Yes, backpack carrying kit	Yes, Plastic transport box for the Amadeo M mini X-ray system
Operating conditions Ambient temperature, relative humidity, atmospheric pressure							
Radiation protection accessories	Dananda an contract	Danende en contract	Dananda on contract	Dananda on contract	Danande en contract	Dananda on contract	Dananda an contract
Lead apron Regulatory requirements	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract
Regulatory approval by specific agencies ISO 13485 certification	FDA	FDA in late 2021/early 2022	CE (not verified)	CE, FDA (not verivied)	CE	CE	CE
Documentation User manual and maintenance/service manual in English	Yes	Yes	Yes	Yes	Yes		Yes
List of important spare parts and accessories with their part number and costing	Yes	Yes	Yes	Yes	Yes		Yes
Certificate of calibration and inspection from factory Logbook with instruction for daily, weekly, monthly and quarterly maintenance checklist	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes		Yes Yes
Terms of Reference for hospital service technician and company service engineer Installation and Training	Yes	Yes	Yes	Yes	Yes		Yes
Application training to be carried out for 2 days for the radiographers and attendants using the machine installed at the hospital facility after commissioning the x-ray unit and biomedical technicians on basic maintenance and troubleshooting	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract
Service and maintenance Comprehensive guarantee and service agreement	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract	Depends on contract
Experience with TB programmes in LMICs	NA	NA	NA	NA	NA	NA	NA
Estimated cost (USD) per unit	10.1	197		101			141
Set of equipment incl. detector and essential accessories, cost may vary depending upon choice of detectors and countries of shipment	Contact Manufacturer	Contact Manufacturer	Contact Manufacturer	Contact Manufacturer	Contact Manufacturer	Contact Manufacturer	Contact Manufacturer

	MinXray CMDR HF100H+ Wireless	ATX QUANTpower400 Ai0	Rayence GO DPX	Epsilon EP Corsa 2.4P	Medical ECONECT meX+100	Dragon LW	ECO RAY ULTRA200/200A
SPECIFICATIONS		Image not provided by manufacturer		THE REAL PROPERTY OF THE PARTY			
	info@minxray.com Link	info@ke-medited.com Link	information@rayenceusa.com Link	marketing@epsilonhealthcare.com Link	info@medical-econet.com Link	info@sedecal.com Link	info@ecoray.kr Link
Product description Portable digital radiography system with single flat panel detector, capable of taking digital	AC-powered,	AC-powered, portable DR X-ray system (high	AC-powered, portable DR X-ray system (high	AC-powered,	AC-powered,	AC-powered, portable DR X-ray system	Portable DR X-ray system
chest X-rays in erect position (with dedicated detector stand) X-ray generator	portable DR X-ray system	frequency generator)	frequency generator)	portable X-ray system	portable DR system	(high-frequency generator)	(AC and battery-powered options available)
Output power KV range	3 kW 40–100 kV	6 KW 40–120 kV (optional 125 kV)	2.7 Kw 40–120 kV	2.4 kW 40–100 kV	5 Kw at 75 kV 40–110 kV	4kW (optional 8 kW) 40–125 kV	5 kW 40–110 kV
mAS range Maximum filament current	20–30 mA	143 mAs (standard) extendable to 213 mAs max 100 mA tube current	12–40 mA	16–35 mA	0.1-100 mAs	0.1–250 mAs 5–100 mA	0.32-200 mAS 25-100 mA
Exposure time range Automatic exposure control	NA	0.01-2.00 sec NA	NA	NA		0.001-10 sec NA	NA
Tube power rating Anode type and focal spot	Stationary, single focal spot	Stationary, single focal spot 1.2 mm		Stationary anode dual focus		Stationary, dual focus 0.5 mm and 1.8 mm	Stationary, single focal spot
Heat storage capacity				•	76 kHU	47,215 HU	1.8 mm, Canon / DF-183 28 KJ
Cooling rate Collimator Total filtration Overload protection	Multileaf collimator with halogen light 3.2 mm Al Equivalent	multileaf, rotatable, 100 Lux at FFD 100 cm 3.2 mm Al equivalent	Collimator with positioning light	Multilead collimator	57 kWs Multileaf, with LED and laser pointer	Multileaf LED collimator 2.9 mmAl @ 75 kVp	265 W Motorized collimator with SID sensor
Weight	65 kg	98 kg (approx)	45 kg	13 kg (approx)	19.6 kg	75 Kg	AC powered 166 kg, battery powered 197 kg
Input power Battery charging time Exposure capacity when full charged	100–140 or 200–260 VAC, 50/60 Hz	AC, 200–260 V, 50/60 Hz – automatic voltage adaption	AC powered 110–220 V, single phase / 50–60 Hz	AC powered 100–240 V	100–240 VAC (Free-Voltage)	AC powered, Single-Phase 100/240 (± 10%) VAC 50/60 HZ	Battery powered - 100–240VAC (50/60Hz) AC powered - 200–240 VAC (50/60 Hz)
X-ray generator stand frame	integrated design	not required	not required	optional	not required	not required	optional
X-ray detector						not required Choice of Toshiba DR panels - FDX3543RP,	
Active detector area Time to display image after exposure	Direct Deposit Csl:T1, 35 x 43 cm approx 4 sec	choice of Canon CXDI detector panels	Reyance Green ON 35 x 43 cm Cs FPD ≤ 5 Sec	not included with generator	meX+ 1417WCC, 14 x 17 FPD	FDX3543RPW, 35 x 43 cm	Choice of DR panels available
Pixel pitch Spatial resolution	154 μm		140 μm 3.5 lp/mm		127 μm 3.9 lp/mm	154 μm 3.7 lp/mm	
Detection quantum effiency (DQE) Dynamic range			3268 x 2756		2756 x 3268 pixels	2448 x 2984 pixels	
Power source	rechargable battries		rechargable battries AC powered 110 - 220 V,		rechargable Li-lon battery (3400 mAh)	NA	
Recharge power source Exposure capacity	operates at 110 to 240V, 50-60Hz		single phase / 50 - 60 Hz		AC 100 to 240V, 50-60Hz	NA NA	
Charging time Extra battery	included					NA	
Connection type Weight	wired or wireless 3.7 kg	wired or wireless	wired or wireless		wired or wireless	wired or wireless	wired or wireless
Detector software	Operating with MinXray DICOM PACS/DXR imaging software package	Image acquisition software CANON NE	3 kg		3 kg DICOM PACS compatible, intrnal image memory of 100 images, without connecting to PC	Includes acquisition software	Software available based on detector choice
					or roo images, riminear coming to re		
Storage condition	Temperature: +5°C to 35 °C, Humidity: 30 - 75% RH						
X-ray detector stand/frame					Yes	NA	
X-ray detector stand/frame DR workstation	Humidity: 30 - 75% RH	Integrated 19" multitouch-monitor	Customized laptop as integrated workstation			NA Integrated 17" multitouch monitor	DR upgradable console
X-ray detector stand/frame DR workstation Display Processor	Humidity: 30 - 75% RH Yes	Integrated 19" multitouch-monitor	Customized laptop as integrated workstation		Yes Customized laptop		DR upgradable console
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive	Humidity: 30 - 75% RH Yes	Integrated 19" multitouch-monitor	Customized laptop as integrated workstation				DR upgradable console
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language	Humidity: 30 - 75% RH Yes	Integrated 19" multitouch-monitor	Customized laptop as integrated workstation				DR upgradable console
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging	Software on customer's demand –	Customized laptop as integrated workstation pre-configured with DICOM PACS		Customized laptop		DR upgradable console Software provided
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes	Software on customer's demand – DX-R, NE , DicomPACS Yes	pre-configured with DICOM PACS Yes		Customized laptop English preconfigured with DICOM PACS Yes	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes	
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric		Customized laptop English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS	
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise		Customized laptop English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes	
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	Software on customer's demand – DX-R, NE, DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images		Customized laptop English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes	
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included		English English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes	
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option) Transportation case	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included		Customized laptop English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes Yes	
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option)	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes, qXR	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included		Customized laptop English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included Yes NA	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes Yes	
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration case Operating conditions	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes Yes, qXR	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included Yes NA Relative humidity 30–75%,		Customized laptop English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included Yes NA	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes Yes	
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option) Transportation case Operating conditions Ambient temperature, relative humidity, atmospheric pressure Radiation protection accessories Lead apron Regulatory requirements Regulatory approval by specific agencies ISO 13485 certification	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes Yes, qXR Yes	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Yes, hard plastic transport box	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Relative humidity 30—75%, pressure 70—106 kPa	CE (not verified)	English Preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA metalic carrying case	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes Yes NA	Software provided
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option) Transportation case Operating conditions Ambient temperature, relative humidity, atmospheric pressure Radiation protection accessories Lead apron Regulatory requirements Regulatory reproval by specific agencies	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes, qXR Yes 5–35 °C, 30–75% RH Depends on contract	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Yes, hard plastic transport box Depends on contract	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Relative humidity 30—75%, pressure 70—106 kPa	CE (not verified)	English English Preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA metalic carrying case	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes Yes NA Depends on contract	Software provided Depends on contract
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option) Transportation case Operating conditions Ambient temperature, relative humidity, atmospheric pressure Radiation protection accessories Lead apron Regulatory requirements Regulatory approval by specific agencies ISO 13485 certification Documentation	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes Yes Yes, qXR FDA PDEPENDS ON CONTRACT	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Yes, hard plastic transport box Depends on contract	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Relative humidity 30–75%, pressure 70–106 kPa Depends on contract	CE (not verified)	English Preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA metalic carrying case Depends on contract CE (not verified)	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes Yes NA Depends on contract	Software provided Depends on contract
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option) Transportation case Operating conditions Ambient temperature, relative humidity, atmospheric pressure Radiation protection accessories Lead apron Regulatory requirements Regulatory approval by specific agencies ISO 13485 certification Occumentation User manual and maintenance/service manual in English List of important spare parts and accessories with their part number and costing Certificate of calibration and inspection from factory Logbook with instruction for daily, weekly, monthly and quarterly maintenance checklist	Yes Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes Yes Yes The APR included Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Yes, hard plastic transport box Depends on contract	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Relative humidity 30–75%, pressure 70–106 kPa Depends on contract Yes Yes Yes Yes Yes Yes Yes	CE (not verified)	Customized laptop English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included Yes NA metalic carrying case Depends on contract CE (not verified) Yes Yes Yes Yes Yes	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes Yes NA Depends on contract	Software provided Depends on contract
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option) Transportation case Operating conditions Ambient temperature, relative humidity, atmospheric pressure Radiation protection accessories Lead apron Regulatory requirements Regulatory approval by specific agencies ISO 13485 certification Documentation User manual and maintenance/service manual in English List of important spare parts and accessories with their part number and costing Certificate of calibration and inspection from factory Logbook with instruction for daily, weekly, monthly and quarterly maintenance checklist Terms of Reference for hospital service technician and company service engineer Installation and Training Application training to be carried out for 2 days for the radiographers and attendants using the machine installed at the hospital facility after commissioning the x-ray unit and	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes Yes 5–35 °C, 30–75% RH Depends on contract FDA Yes Yes Yes	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Yes, hard plastic transport box Depends on contract	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included Yes NA Relative humidity 30–75%, pressure 70–106 kPa Depends on contract Yes Yes Yes Yes Yes	CE (not verified)	Customized laptop English preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA metalic carrying case Depends on contract CE (not verified) Yes Yes Yes Yes	Integrated 17" multitouch monitor Preconfigured with software, DICOM, PACS Yes Yes Yes NA Depends on contract	Software provided Depends on contract
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option) Transportation case Operating conditions Ambient temperature, relative humidity, atmospheric pressure Radiation protection accessories Lead apron Regulatory requirements Regulatory approval by specific agencies ISO 13485 certification Documentation User manual and maintenance/service manual in English List of important spare parts and accessories with their part number and costing Certificate of calibration and inspection from factory Logbook with instruction for daily, weekly, monthly and quarterly maintenance checklist Terms of Reference for hospital service technician and company service engineer Installation and Training Application training to be carried out for 2 days for the radiographers and attendants using the machine installed at the hospital facility after commissioning the x-ray unit and biomedical technicians on basic maintenance and troubleshooting Service and maintenance	Yes Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes Yes, qXR Yes That Package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included Yes NA Yes, hard plastic transport box Depends on contract CE	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included Yes NA Relative humidity 30—75%, pressure 70—106 kPa Depends on contract Yes Yes Yes Yes Yes Yes Yes Ye	CE (not verified)	Customized laptop English Preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA metalic carrying case Depends on contract CE (not verified) Yes Yes Yes Yes Yes Yes Yes Yes Yes	Preconfigured with software, DICOM, PACS Yes Yes NA Depends on contract CE/FDA (not verified) Depends on contract	Software provided Depends on contract CE (not verified) Depends on contract
X-ray detector stand/frame DR workstation Display Processor RAM Hard drive Image retrival Display language Software DICOM Patient registration and data Exposure parameter regulation Image processing APR chest Image storage capacity Interoperability with local PACS CAD/Al integration (bundling option) Transportation case Operating conditions Ambient temperature, relative humidity, atmospheric pressure Radiation protection accessories Lead apron Regulatory requirements Regulatory approval by specific agencies ISO 13485 certification Documentation User manual and maintenance/service manual in English List of important spare parts and accessories with their part number and costing Certificate of calibration and inspection from factory Logbook with instruction for daily, weekly, monthly and quarterly maintenance checklist Terms of Reference for hospital service technician and company service engineer Installation and Training Application training to be carried out for 2 days for the radiographers and attendants using the machine installed at the hospital facility after commissioning the x-ray unit and biomedical technicians on basic maintenance and troubleshooting	Yes Customized Dell laptop English MinXray DICOM PACS/DXR imaging software package Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes Yes, qXR Yes Yes The A Yes Yes Yes Yes Yes Yes Yes Ye	Software on customer's demand – DX-R, NE , DicomPACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images chest APR included Yes NA Yes, hard plastic transport box Depends on contract CE	pre-configured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA Relative humidity 30–75%, pressure 70–106 kPa Depends on contract Yes Yes Yes Yes Yes Yes Yes	CE (not verified) NA	English English Preconfigured with DICOM PACS Yes Yes Clip, zoom, magnifier, invert, rotate, flip, annotations, measurements, digital collimation, etc.), image view, detail enhancement and noise suppression, tissue equalization, alphanumeric annotation of images Chest APR included Yes NA metalic carrying case Depends on contract CE (not verified) Yes Yes Yes Yes Yes Yes Yes Ye	Preconfigured with software, DICOM, PACS Yes Yes Yes NA Depends on contract CE/FDA (not verified)	Depends on contract CE (not verified)