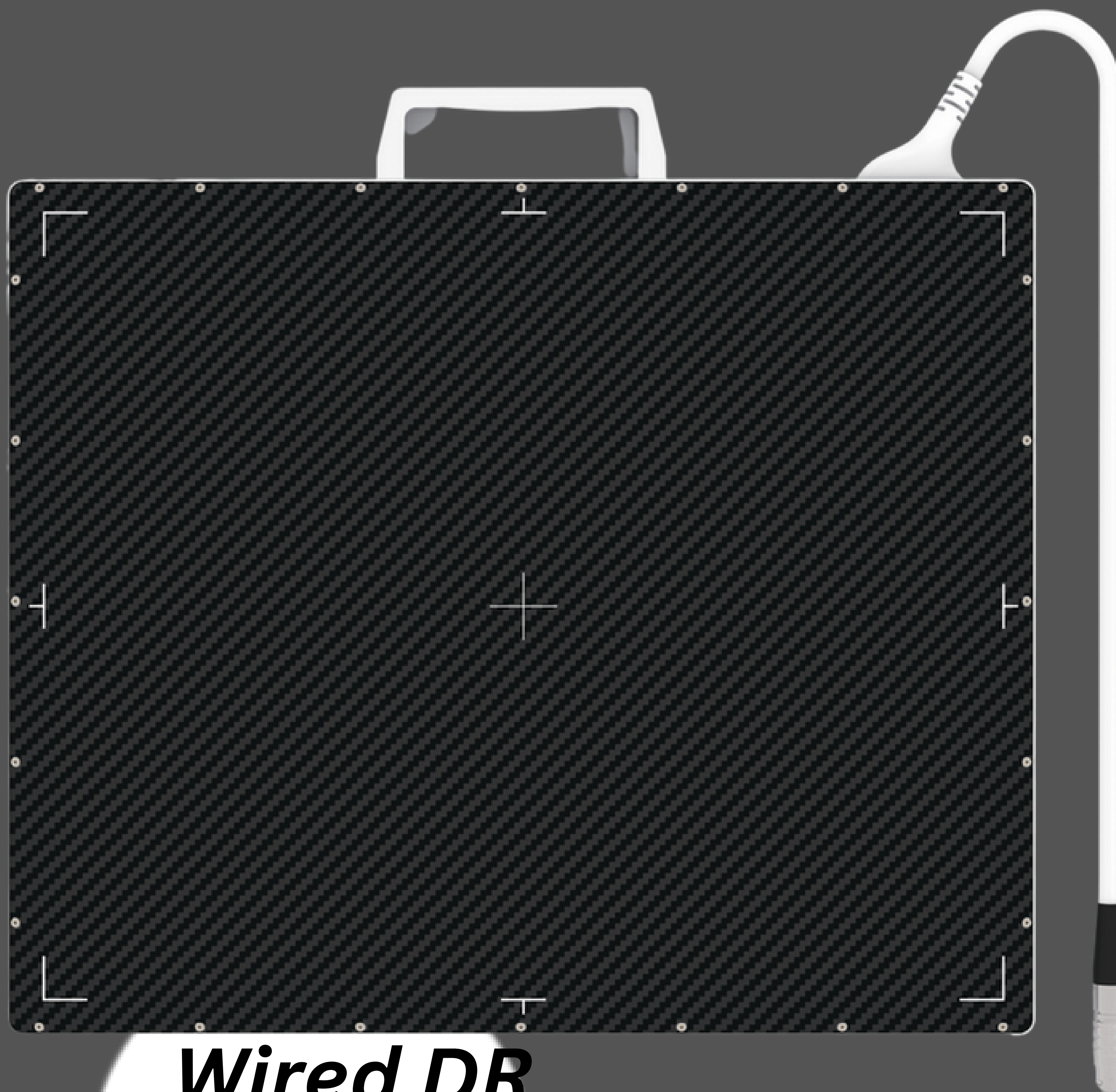


X RAY INDIA 3543DI

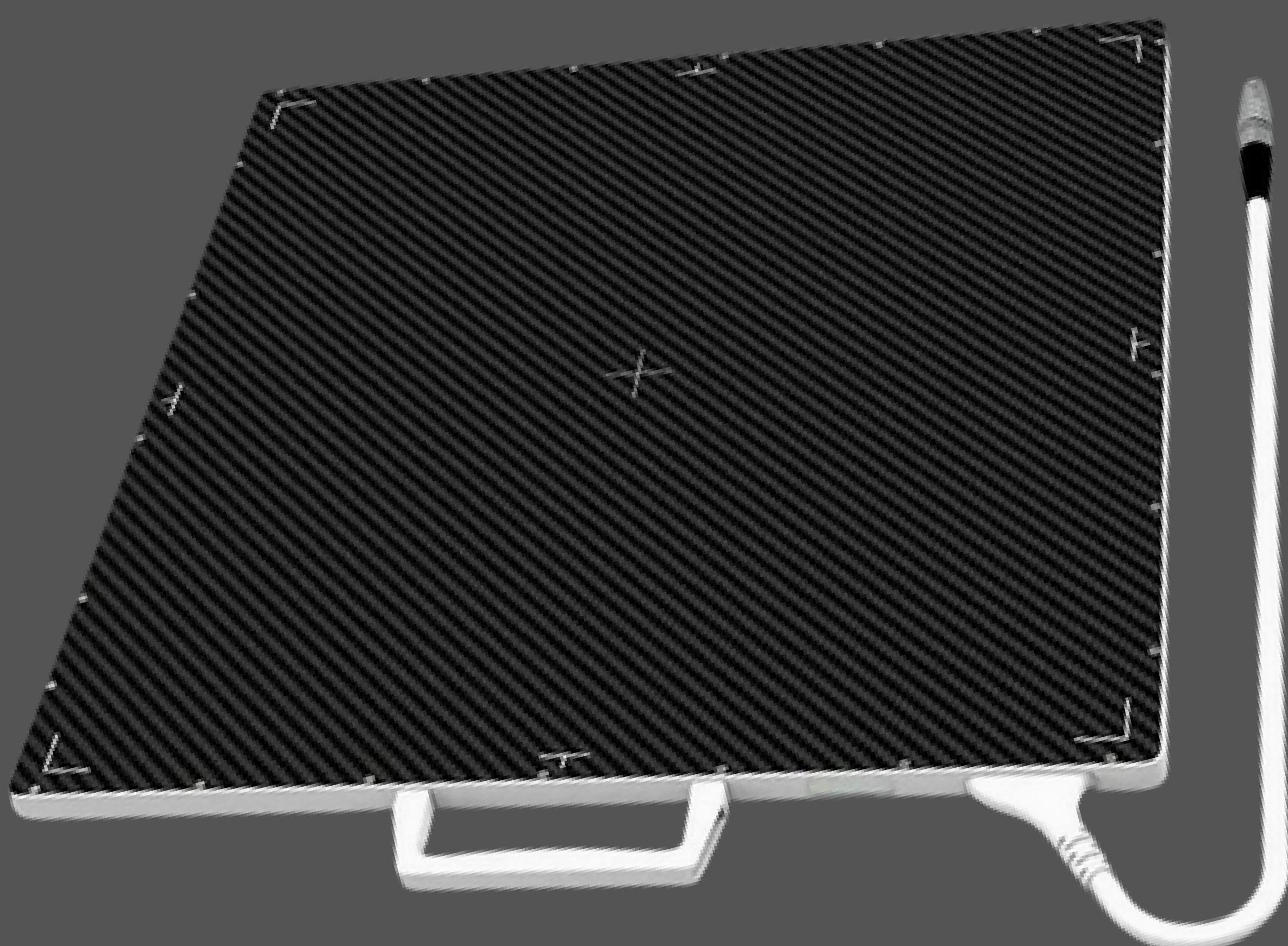
Portable X Ray Detector



***Wired DR
System***

**AERB
Approved**





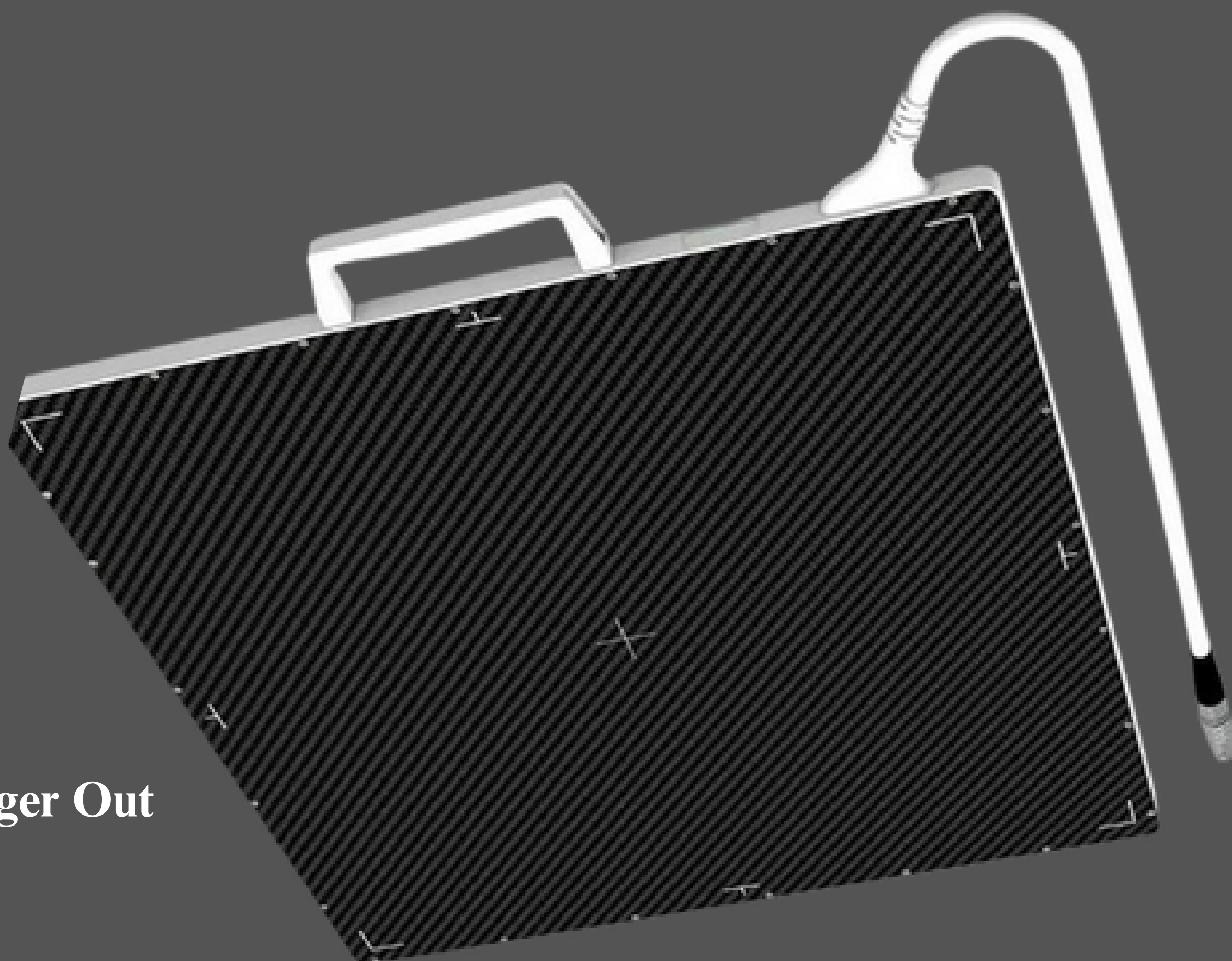
Starnuke3543DI production is a portable type and low noise x ray flat panel detector based on amorphous silicon technology. A- Si technology based detector owns many advantages that are unavailable with other technology, Starnuke3543DI production takes a high image quality and a large dynamic range.

Starnuke3543DI possesses multigain stage, this function makes it possible that the detector can both be suitable for high sensitivity and large dynamic range requirements. Based on above characteristics, Starnuke3543DI detector can be widely used in medical, industrial, veterinary, and research application area.



Technology

Sensor A-Si
Scintillator GOS / CSI
Active Area 350 x 427 mm
Pixel Matrix 2500x 3052
Pixel Pitch 140 μ m
AD Conversion 16 bits



Interface

- Communication Interface Gigabit Ethernet
- Exposure Control Trigger In(Edge or Level) / Trigger Out (Edge or Level)
- Image Acquisition Time ≤ 1 seconds
- Operating System Windows7 / Windows10 OS 32 bit or 64 bit

Technical Performance

Resolution 3.5 lp/mm
Energy Range 40~160 KV
Lag <1% 1st frame
Dynamic Range ≥ 86 dB
Sensitivity 540 lsb/uGy
SNR 48dB @(20000lsb)
MTF 70% @(1 lp/mm)
38% @(2 lp/mm)
21% @(3 lp/mm)
58% @0 lp/mm
DQE 41% @(1 lp/mm)
25% @(2 lp/mm)

Mechanical

Dimension (H x W x D) 460 x 383 x 15 mm
Weight 3.5 Kg
Sensor Protection Material Carbon Fiber
Housing Material High Strength Aluminum Alloy
Temperature Range 10~35°C (operating); -10~50°C (storage)
Humidity 30~70% RH (non-condensing)
Vibration IEC/EN 60721-3 class 2M3 (10~150 Hz, 0.5 g)
Shock IEC/EN 60721-3 class 2M3 (11 ms, 2 g)
Dust and Water Resistant IPX0

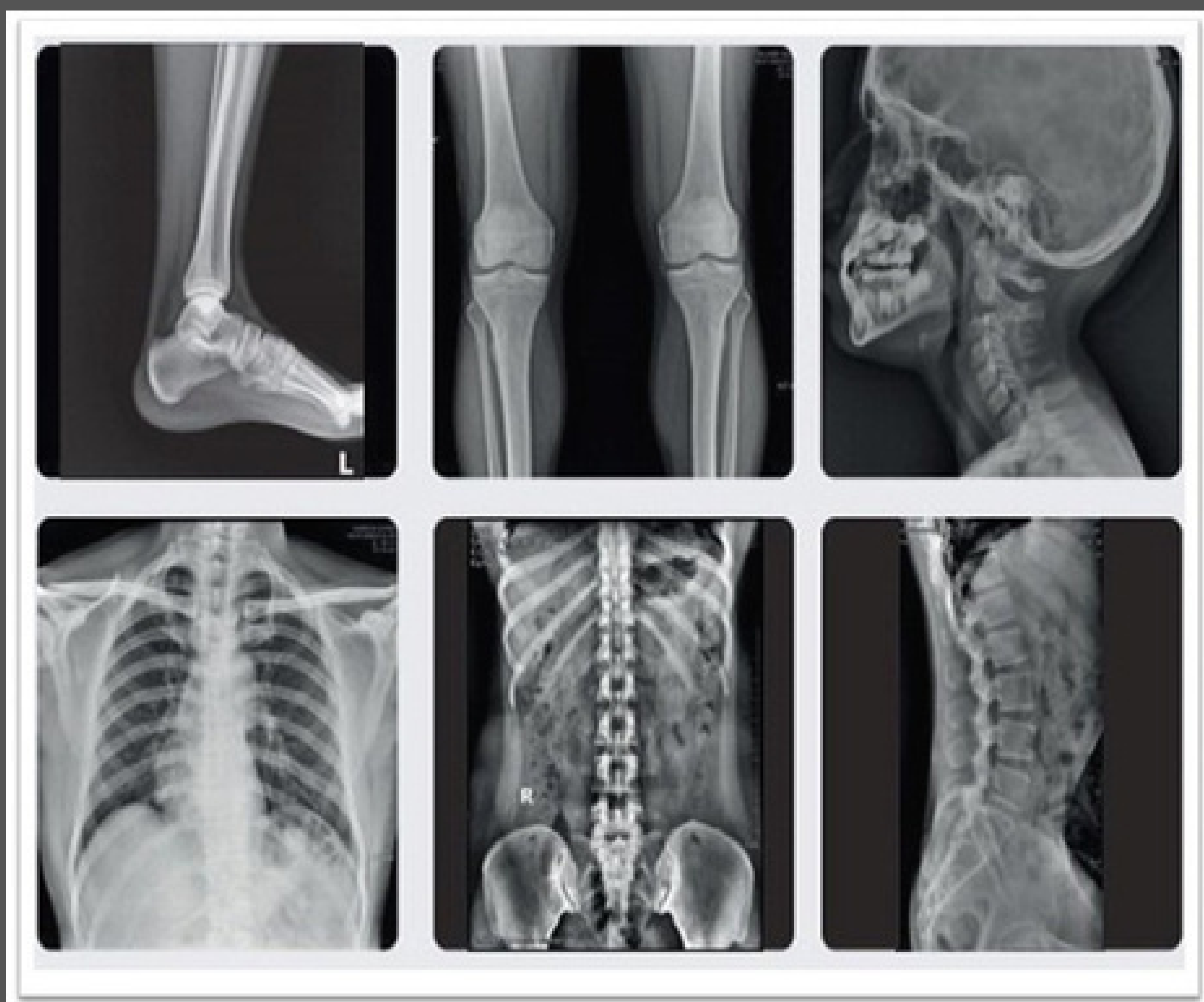
Power

Supply 100~240 VAC
Frequency 50/60 Hz
Consumption 14 W



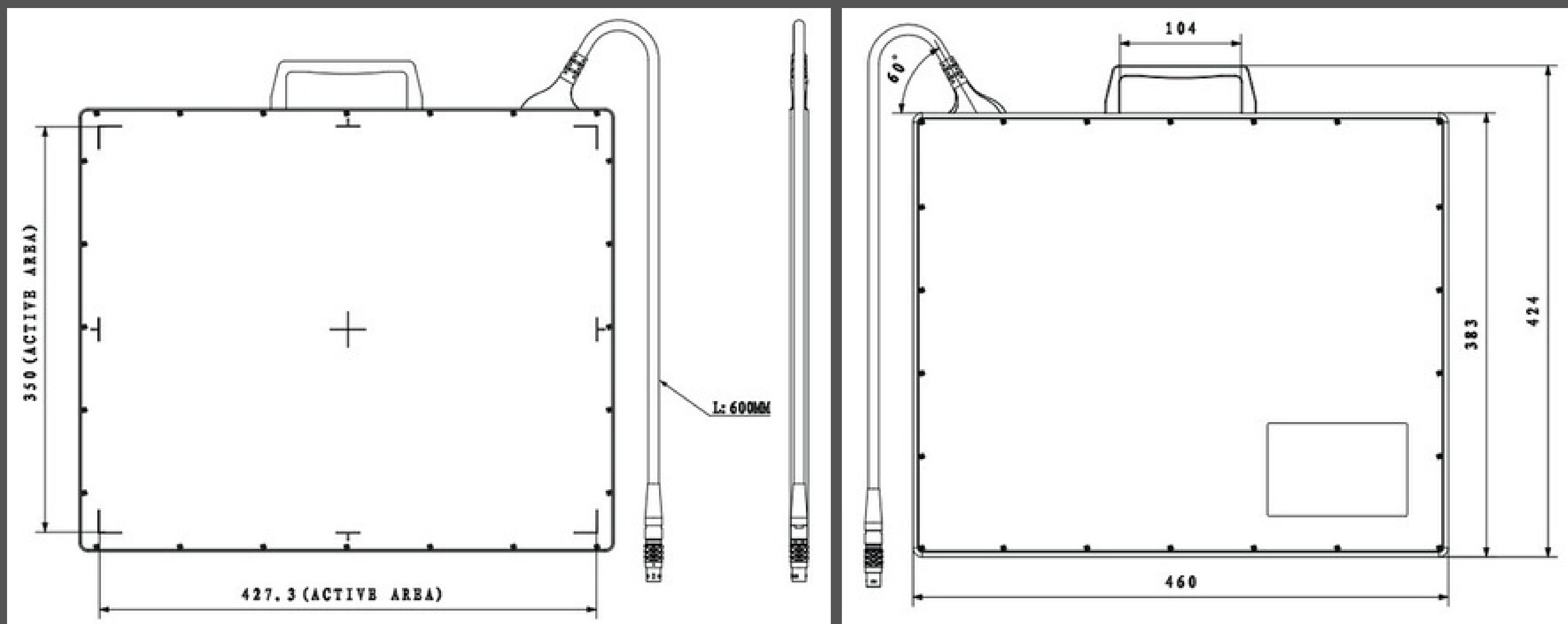
Key Features

- Pixel Pitch: 140 μm
- Pixel Matrix: 2500 x 3052
- ADC: 16-bit
- Gain Stage: Multi-Gain
- Scintillator: GOS/CSI
- Water Proof: IPX0
- Interface: Quick self-locking connector
- Calibration: Software, Firmware
- Radiation Hardness: $\geq 10000\text{Gy}$



Application

- Medical
- Industry
- Veterinary
- Research

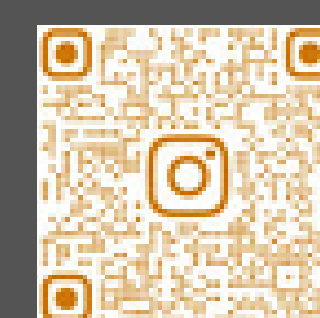
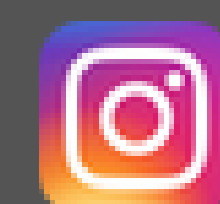


AERB APPROVED

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Website

