



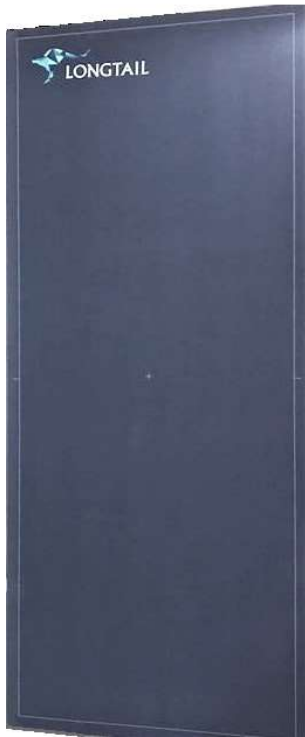
Longtail DR Imaging System

Longtail is the world's largest digital x-ray flat panel detector ever made. With 108cm length, the detector can take a full spine x-ray image in just one single shot. With tripled power of image acquisition, Longtail reads out images as fast as any regular 1417 or 1717 detectors.

The detector processes outstanding images with high DQE and high resolution. Equipped with highly sensitive AED function, the detector can be easily connected to and synchronized with any kind of generators.



Description	Specification
Detector Technology	a-Si
Scintillator	Patterned CsI/DRZ+
Image Size	108×43 cm
Pixel Matrix	7680×3072
Pixel Pitch	140 μ m
A/D Conversion	16 bit
Minimum Detectable Dose	14nGy
Maximum Linear Dose (RQA5)	110uGy
MTF @ 1.0 LP/mm	0.65/0.50
MTF @ 2.0 LP/mm	0.33/0.21
MTF @ 3.0 LP/mm	0.18/0.10
DQE @ 0.0 LP/mm (2.5uGy)	0.60/0.35
DQE @ 1.0 LP/mm (2.5uGy)	0.45/0.22



LONGTAIL

DQE@ 2.0 LP/mm (2.5uGy)	0.32/0.15
DQE @ 3.0 LP/mm (2.5uGy)	0.15/0.07
Ghost (% , 300uGy, 60s)	<0.25
Spatial Resolution	3.6 LP/mm
Image Acquisition Time	1S
X-ray Voltage Range	40-150 KV
Data Interface	GigE, Wifi
Power Dissipation	30 W
Adapter Input	AC 100-240V,50-60Hz
Adapter Output	DC 24V,60W
Dimensions	112 x 46.5 x 2cm
Weight(kg)	10.9 kg
Detector Housing Material	Carbon, Al Alloy
Water tightness	IPX3
Operating Environment	5-35°C,10-75% RH

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