DRTECH

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MEDICATECH USA®

DRTECH
Web | www.drtech.com
E-mail | marketing@drtech.com
Tel | +82-31-779-7400 Fax | +82-31-779-7790

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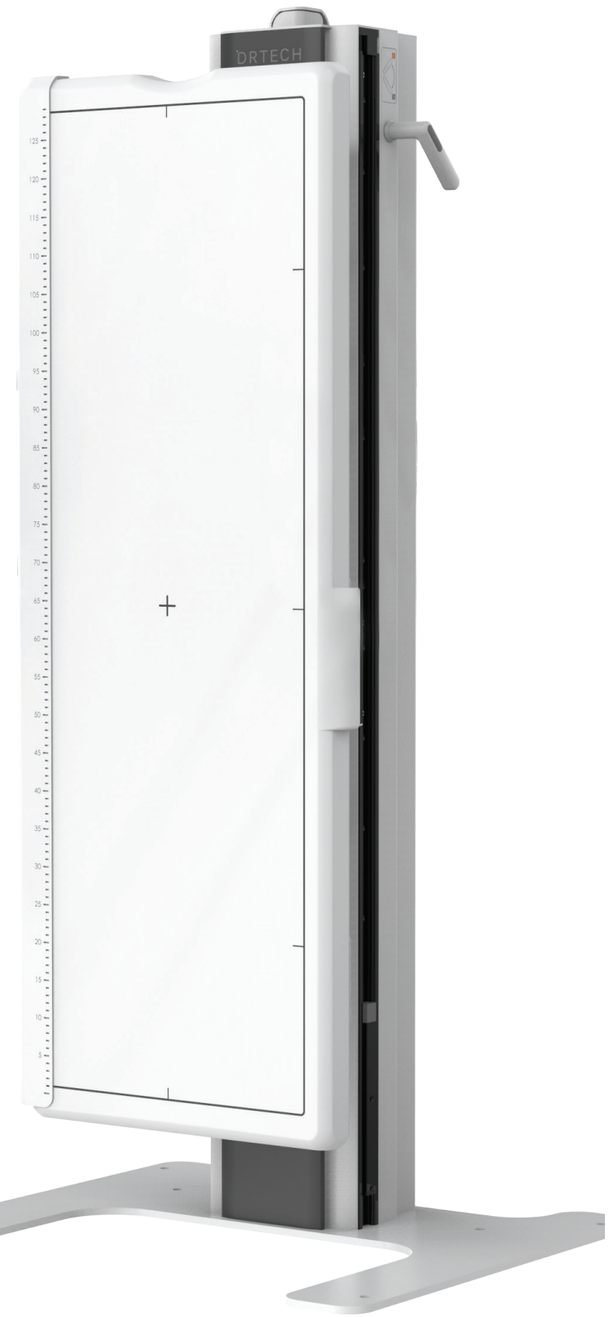
LLD
Long Length Detector

Single Shot Long Length Image

LLD Long Length Detector

Setting the New Standard in General Radiography
with Large Imaging Area



Increased Productivity and Accuracy with Long Length Imaging

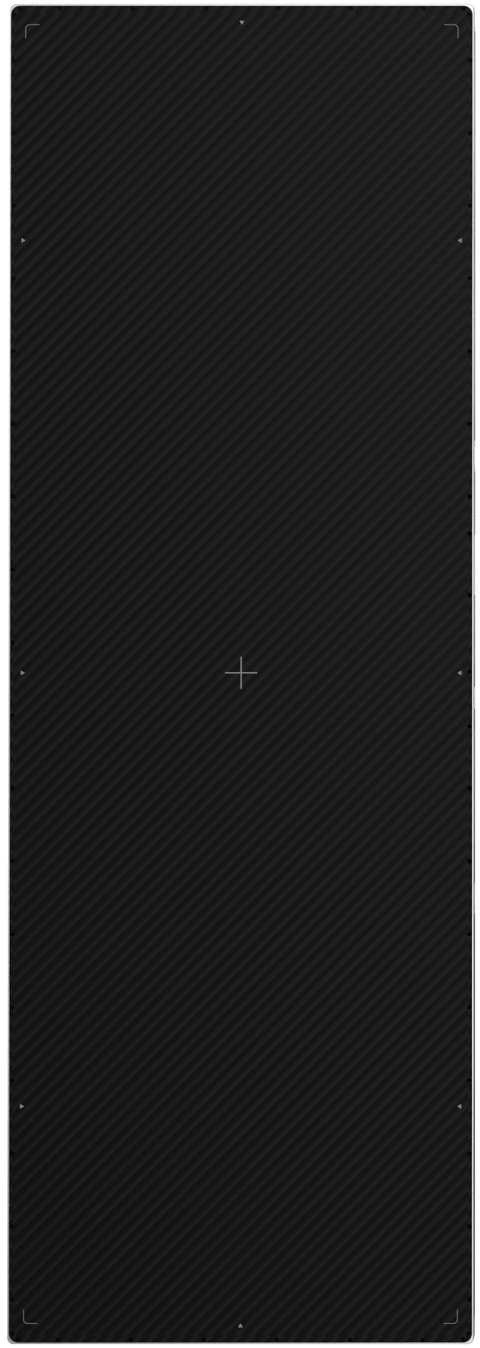
AUTO ROI

World 1st Auto ROI
: Adjustable ROI for Multi-mode Imaging

Enhanced Workflow and Decreased Patient Discomfort with a Long-View Single shot

EXPEED129P

EXPEED129P

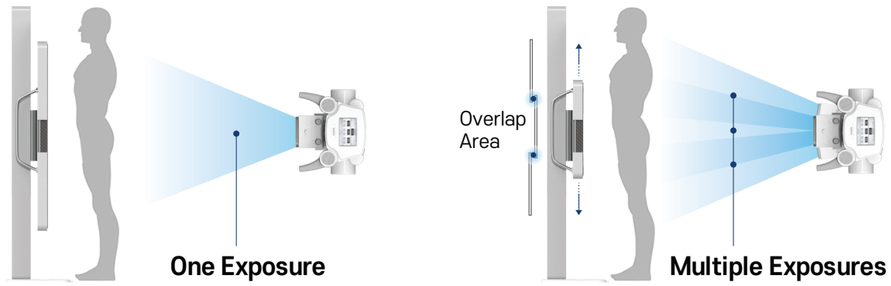


LLD WHOLE SPINE LAT

Enhanced Accuracy with Long-view Single Shot Imaging

Using single exposure to capture long-length images provides an unmanipulated large field of view high-resolution images perfect for leg-length and spine exams. Conventional multi-exposure stitched images may cause image distortion during the stitching process reducing diagnostic accuracy. EXPEED LLD provides the largest field of view and highest resolution to deliver high-quality leg and spine exams with a single-shot examination. Maintain perfect diagnostic accuracy with EXPEED LLD series.

EXPEED LLD series Single-exposure Method vs. Multi-exposure Method



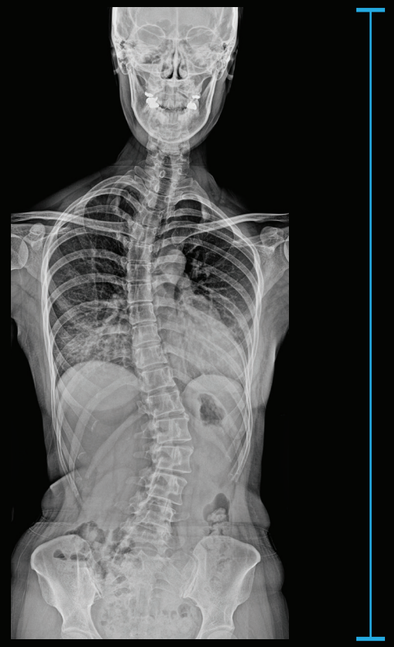
Achieve Better Patient Satisfaction and Reduce Patient Dose

As EXPEED LLD captures an entire long-length image in a single exposure in just a few seconds, it prevents the need for retakes, minimizes exam discomfort for a better patient experience, and reduces the patient dose to increase patient safety.

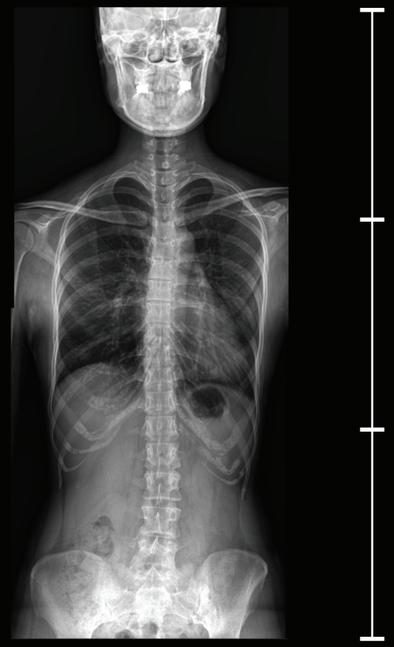
Selective Body Part Image Acquisition with Auto ROI

Auto ROI designed by DRTECH can acquire various imaging modes such as the chest, spine and long leg by automatically recognizing exposed areas in real-time.

EXPEED LLD Series



Conventional Multi-exposure Stitch Image



EXPEED LLD X Auto ROI

Whole Spine

Long Leg

Chest

Shoulder

This advanced technology ‘Auto ROI’ embedded in LLD series acquires images of any part of the body without size or area limitations, making the LLD the only panel necessary for all of your imaging needs.

EXPEED by QX-Platform

High-Performance HW Platform Technology
for Low-Dose Imaging

IGZO TFT
Design
by DRTECH

FOCUS
Scintillator
Technology

TRUVIEW®ART
Imaging
Processing

Embedded SW
State of the art

Minimum Radiation Dose

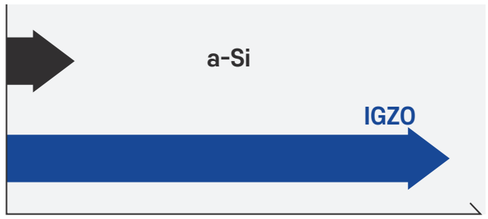
50% DOSE DOWN

Maximum Diagnostic Accuracy

40% UP SNR / **30%** UP MTF

High-resolution IGZO TFT designed by DRTECH

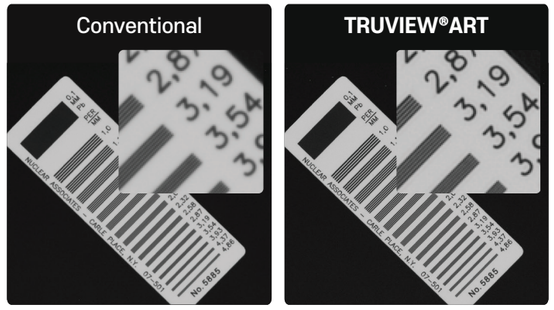
QX platform's IGZO Technology has been developed by DRTECH and has 10 times faster electron mobility combined with lower leakage current compared to less-advanced TFTs. As a result, the IGZO TFT Technology has improved resolution by Ultra Noise reduction.



Electron Mobility Comparison

TRUVIEW®ART Advanced image Reconstruction Technology

Image sharpness of an object in a conventional CsI image is reduced due to light scattering.
TRUVIEW® ART, the unique reverse filtering technology using mathematical analysis, reconstructs and improves image sharpness. This patented technology corrects radiographic image blurring to capture more details.



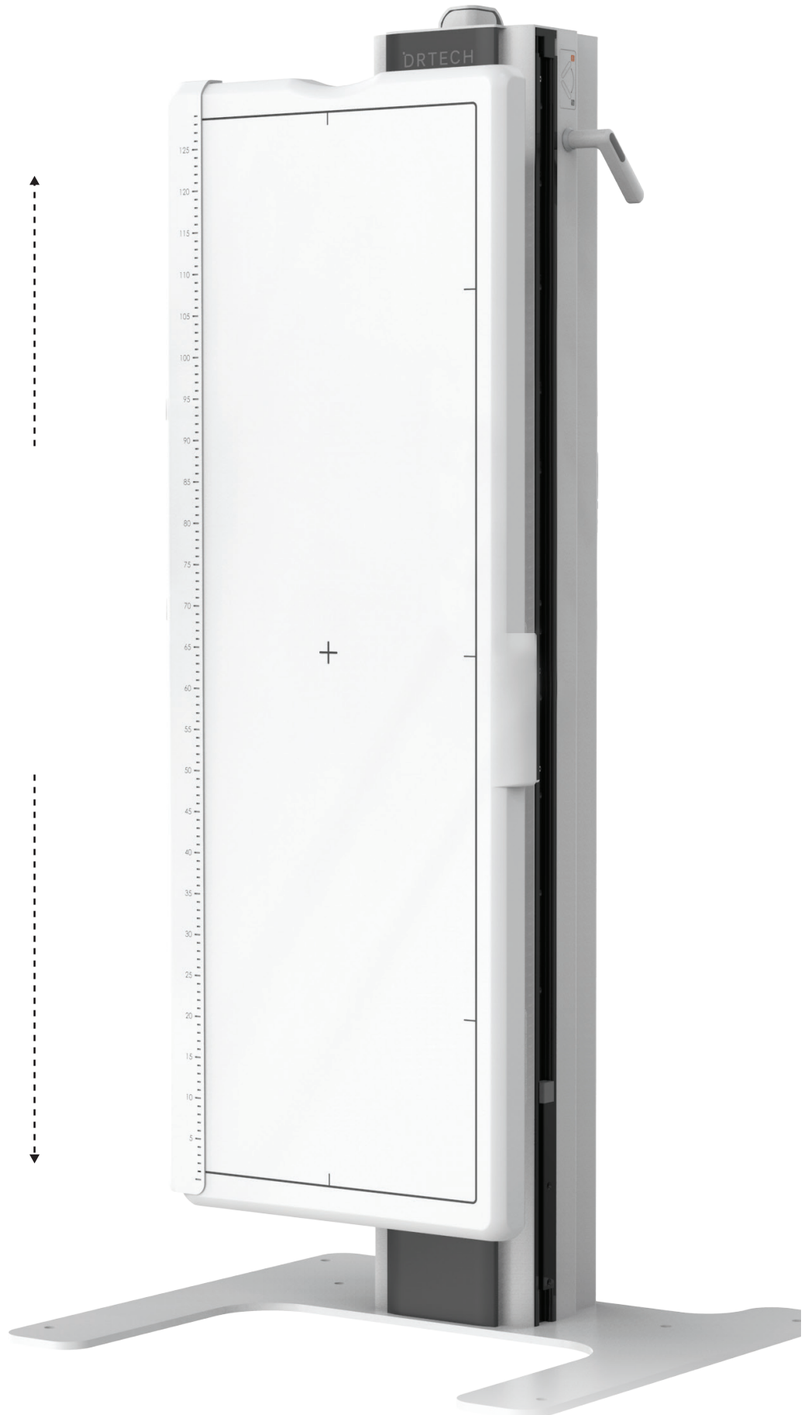
Experience a new level of efficiency, diagnostic confidence, and precision with EXPEED LLD

Compact & Enhanced Usability with

LLD Bucky Stand

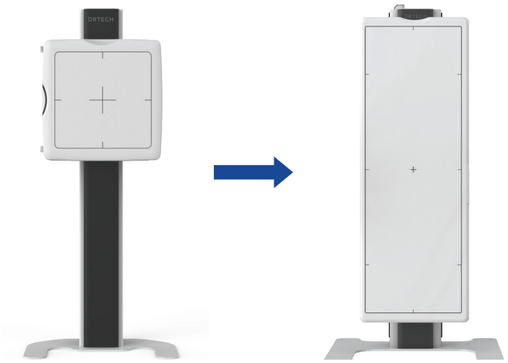
Easily Attachable Radiopaque X-ray Lead Ruler

Unlike acrylic rulers, a radiopaque x-ray lead ruler can prevent physical damage from accidental drops and falls. Also, it can be easily attached and detached for convenient use and safe storage.



Quick & Convenient Upgrade Solution

With no electronics needed, LLD bucky stand can be installed in any imaging room and easily combined with any suitable X-ray system for different applications.



Excellent Space Efficiency

LLD Bucky Stand can be installed in small spaces with a small footprint, providing high space efficiency.

World-wide Service Coverage

Supported by experienced service engineers
and 8 different overseas branches,
DRTECH offers worldwide customer support.

Professional Service and Support by Experienced Service Engineers

Fast and Immediate Technology & Service Support

EXPEED LLD Detector Specification

EXPD 129P

Configuration	Wired
Panel	IGZO
Active Area	430 x 1,285 mm
Pixel Pitch	140 ㎛
Resolution	3,072 x 9,216
Dimensions	450 x 1,310 x 20 mm

EXPEED LLD Stand Specification

Model	EXSYS LLD C
Vertical	1,632.2 mm
Bucky size (WxL)	490 x 1,368 mm
Detector Rotation	X
SID	2,900 mm
Stand-Bucky Distance	312 mm
Grid Type	Fixed
Handles	X