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LONG-FORMAT DR DETECTOR

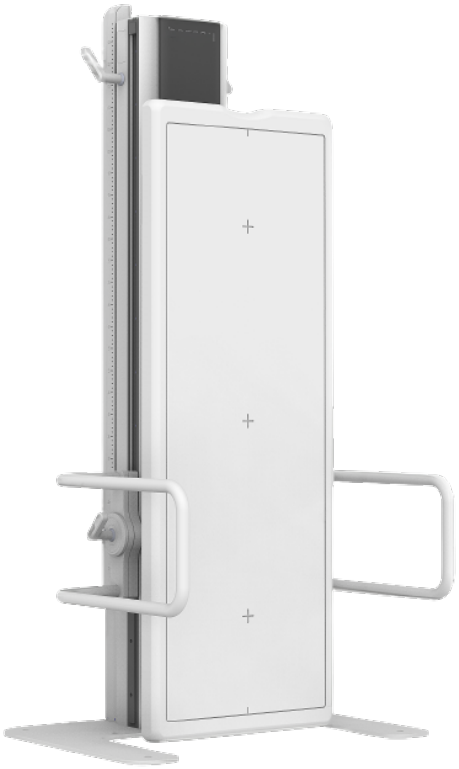
MX Long Length Detector

Engineered for Orthopedics, Spine & Full-Body Imaging

One exposure. One image. A better long-format workflow.

A single 17" x 51" exposure captures the full spine or both legs in one image, with no stitching.

- **17" x 51" Single-Exposure Field of View**
- **8-Second Full-Body Capture**
- **No Stitching Artifacts or Overlap Distortion**
- **Reduced Patient Dose & Retakes**



17" x 51"
Long-Format Detector

High-Quality Single-Shot Full-Body X-Rays for Better Workflow

Detector, wall stand and Voyance® acquisition software from MedicaTech USA

Built for leg-length, scoliosis and full-spine studies, the MX Long Length Detector pairs an IGZO detector with a dedicated wall stand and Voyance® software. Pulse ISM helps you plan the room, the workflow and the purchase.



Lock & Unlock Bar



Radiopaque Lead Ruler



Voyance® Software

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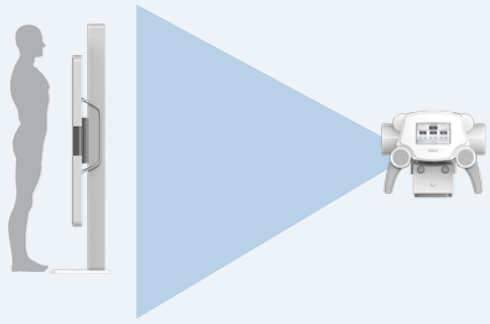
SINGLE-SHOT IMAGING

Better Accuracy in a Single Shot

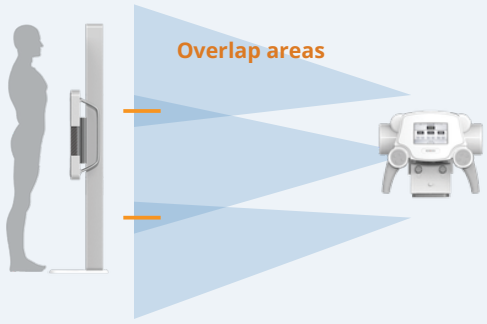
One Unaltered Image, Head to Toe

A single exposure captures the entire anatomical field in one unaltered, high-resolution image, which is ideal for leg-length, scoliosis and full-spine studies. Conventional stitched images take longer to acquire and can introduce distortion at the seams, which affects the measurements pre-surgical planning depends on. The MX Long Length Detector captures a 17" x 51" field in one exposure, so your radiologists can read and measure the image without stitching.

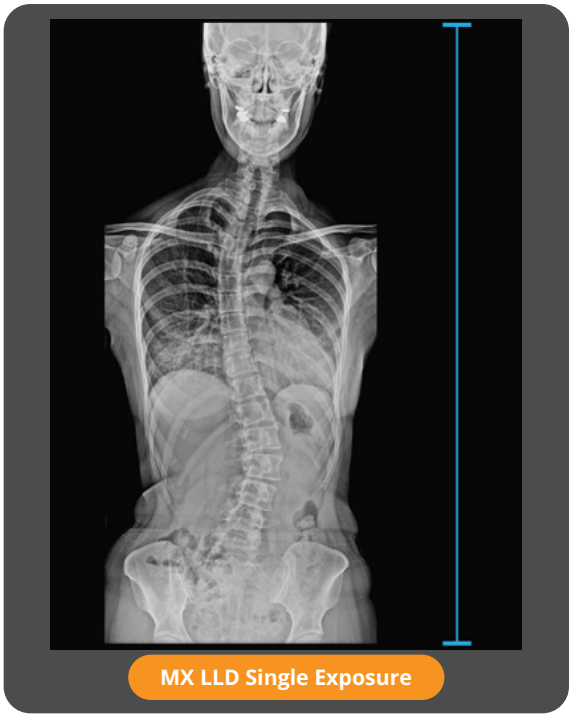
Single-Exposure Method vs. Multi-Exposure Method



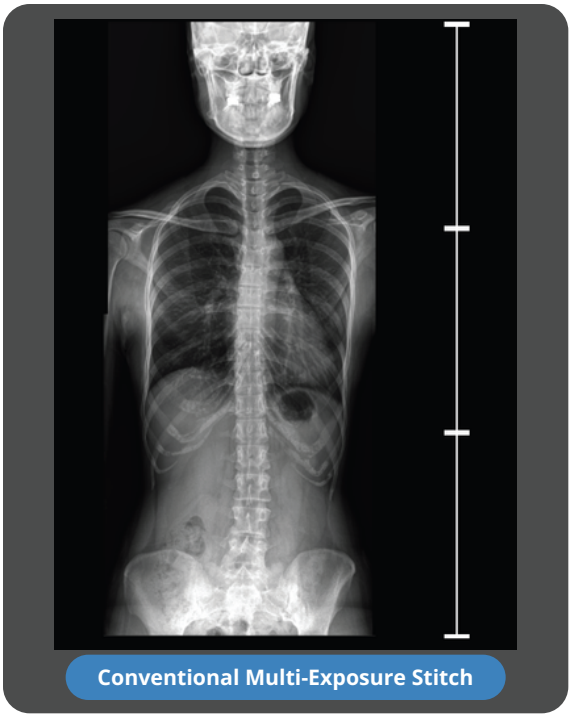
One Exposure



Multiple Exposures



MX LLD Single Exposure



Conventional Multi-Exposure Stitch

Cleaner images. • Faster exams. • Confident referrals.

Designed for the Way Your Team Works

Wall-Stand Features Technologists Use Every Day



Easy Bucky Height Movement with Lock & Unlock Bar

The bucky moves smoothly and positions easily using the lock and unlock bar, allowing quick, precise adjustments for efficient patient positioning and imaging workflow.



Easily Attachable Radiopaque X-Ray Lead Ruler

Unlike acrylic rulers, a radiopaque lead ruler holds up to accidental drops and falls. It attaches and detaches easily for convenient use and safe storage.

Better Patient Experience, Lower Dose

Because the MX Long Length Detector captures an entire long-length image in a single exposure in just a few seconds, it helps avoid retakes, minimizes exam discomfort for a better patient experience, and reduces patient dose.





Single-exposure
full-body and long-leg images

10 min
Multi-Exposure Method

8 sec.
MX LLD Single Exposure

Exam times shown are typical figures from the manufacturer.

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CLINICAL USE

One Detector. Every Long-Format Study.

Fewer retakes. Faster reads. Confident referrals.

Every image on this page was captured in a single exposure with the MX Long Length Detector, with anatomy fully aligned, geometry preserved, and ready for measurement straight out of acquisition.

Whether you are evaluating leg-length discrepancy for a pre-surgical planning case, tracking Cobb angle progression in a pediatric scoliosis patient, or capturing full sagittal spine alignment for a posture or degenerative workup, a single 17" x 51" exposure gives your team a clean, distortion-free image. Radiologists get true anatomical relationships; technologists get one capture instead of several; patients spend seconds at the wall stand instead of minutes.



AP Full-Body & Spine



Lateral Full-Spine



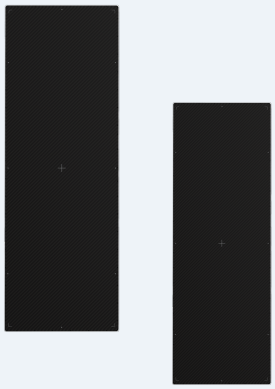
Bilateral Long-Leg

Orthopedics • Spine • Sports Medicine • Pediatrics

Detector and Stand Specifications

MX LLD Detector Specifications

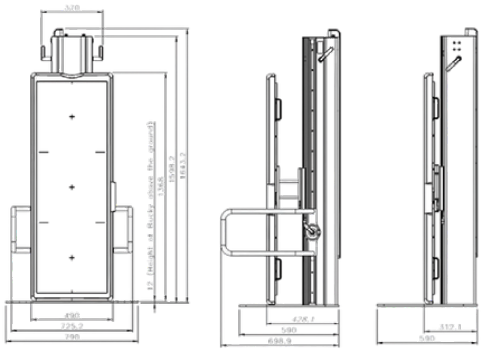
EXPD	129P	86P
Configuration	Wired	Wired
Panel	IGZO	IGZO
Detector size	43 x 129 cm (17" x 51")	43 x 86 cm (17" x 34")
Active area	430 x 1,285 mm	430 x 860 mm
Pixel pitch	140 µm	140 µm
Resolution	3,072 x 9,216	3,072 x 6,144
Dimensions	450 x 1,310 x 20 mm	450 x 880 x 20 mm



MX LLD Stand Specifications

Item	Specification
Model	EXSYS LLD C
Vertical travel	1,632.2 mm
Bucky size (W x L)	490 x 1,368 mm
SID	2,900 mm
Stand-to-bucky distance	312 mm
Grid type	Fixed





Plan the Room

Dimensional drawings are available for room planning. Pulse ISM coordinates site requirements with MedicaTech USA before you order.

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POWERED BY VOYANCE®

Voyance® Acquisition Software

The Software That Finishes What the Detector Started.

Voyance® is the DICOM acquisition, viewing and sharing suite from MedicaTech USA, built to keep pace with your MX Long Length Detector. It gives technologists a familiar interface and gives your practice a secure way to acquire, view and share every study you capture.

Built for Long-Format Workflow

- ClairVoyance® image processing algorithm
- Auto stitching and auto cropping
- Side-by-side comparisons
- Workflow designed for efficiency

Easy for Every User

- Instant installation and auto-configuration
- Modern, user-friendly interface
- Interface consistency across acquisition and viewing platforms
- Reject analysis for QA and technologist coaching

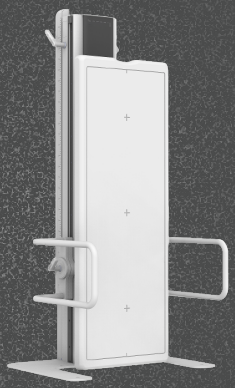
Enterprise-Ready Integration

- Fully DICOM 3.0 compatible (MWL, MPPS and all DICOM operations)
- Supports a wide range of detectors and generators
- X-ray generator integration (CPI and DRGEM)



See the MX LLD and Voyance® in Action

Schedule a live demo or request a quote. We will walk through your exam mix, room layout and workflow before we recommend a configuration.



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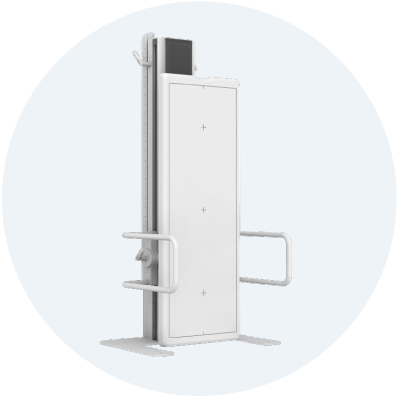
YOUR IMAGING PARTNER

Why Pulse ISM?

The Right Equipment Starts With the Right Questions.

Pulse ISM helps facilities choose DR detectors and long-format imaging based on the rooms they have, the exams they perform and the way their team works.

Before we recommend a configuration, we consider your room, exam mix, workflow and budget. Then we help you determine the right setup and options for your team.



More Than Equipment. A Partner in Your Imaging Program.

- **Consultative Equipment Selection** – We match the configuration to your departments and workflow.
- **Clear, Itemized Recommendations** – Core equipment and optional additions are clearly separated.
- **Delivery, Installation & Training** – Coordinated with the manufacturer or its authorized partners.
- **Certified Supplier** – Pulse ISM is nationally certified as a WBE, WOSB, and EDWOSB.

MX Long Length Detector • EXSYS Wall Stand • Voyance®

Ready to Plan Your Long-Format Imaging?

Tell us about your room, exam volume and goals. We will help you determine the right configuration, from quote through delivery, installation and training.

Contact Us About The MX LLD Today

Ph: 913-662-1405

info@pulseism.com – www.pulseism.com

518 Shawnee St., Suite B – Leavenworth, KS 66048

WBE | WOSB | EDWOSB | Small Business

CAGE: 9UKZ9 | NAICS: 423450

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