



Powered by
**Canon
DR**

LLS-1

Enhanced efficiency for Long-Length radiographic examinations

Features One Shot Long-Length imaging stand

- Patient positioning stand with motorised height adjustment
- Mobile stand with wall docking for convenient relocation
- Large, ergonomic grip rails for confident patient positioning
- Removable grid for pediatric use
- Ability to use existing (3x CXDI-710CW or 3x CXDI-410CW) detectors for cost-effective One Shot Long-Length imaging
- Multiroom possibility. Use each available Canon workstation with LLS-1

Enhanced efficiency for your Long-Length examinations



DelftDI LLS-1 Imaging; no need for a dedicated Long-Length detector or specialised X-ray equipment

The most common applications for long-length DR imaging are for whole spine and leg radiography. Up till now this was only possible using a specially configured X-ray system with image stitching capability using multi-exposure Digital Radiography (DR), which required three separate tube movements and exposures. As patients for this type of examination are often children, the ultimate solution would be for a single, very short exposure to reduce the possibility of motion artefacts. Now DelftDI brings you single shot Long-Length DR imaging without the need for a dedicated long-length detector, and using wireless detectors that can be used more efficiently in other radiographic applications when not be used for Long-Length imaging.

- One short exposure reduces the possibility of movement artefacts
- Shorter transit time and more efficient use of an X-ray room
- Increased patient safety; ergonomic grip rails and shorter time needed to remain position.
- No need for special image stitching X-ray equipment; perform Long-Length imaging in any room with Canon CXDI Control Software NE

Accurate automatic stitching

Accurate stitching automatically performed by the Canon CXDI Control Software NE ensures that just a single exposure is all it takes. There is no need to manually paste and position images, they are automatically aligned and joined. Furthermore the densities of adjacent images are smoothed to provide a uniform image appearance.

Reduced chance of retakes

As the patient only needs to remain still in the same position for a few seconds, there is less chance of movement artefacts and positioning error. Therefore the amount of retakes will be significantly reduced and the work flow efficiency will be optimized.



Faster Long-Length studies

Set-up can be quickly performed without the patient in the room. Simply load the wireless portable detectors into the support stand and select the pre-programmed Long-Length protocol on the modality workstation. That's all there is to it. Now the patient can be invited into the room for positioning. After positioning the X-ray tube and verifying the patients' position, the short single exposure can be made.

It's done! The patient can relax immediately and the resulting image is verified at the Canon CXDI Control Software NE workstation. Fast, efficient, accurate and convenient.

Maintain work flow efficiency from your DR system

Now Long-Length imaging will not decrease availability of an X-ray room. With DelftDI One Shot Long-Length imaging, patient transit time is faster with less waiting time and little or no post-exposure image manipulation required.

A cost-effective Long-Length DR solution

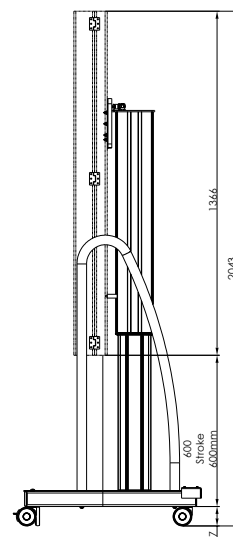
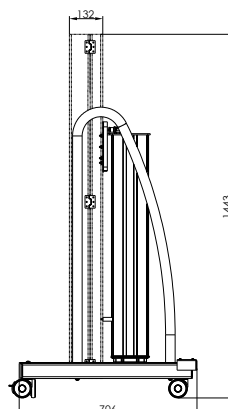
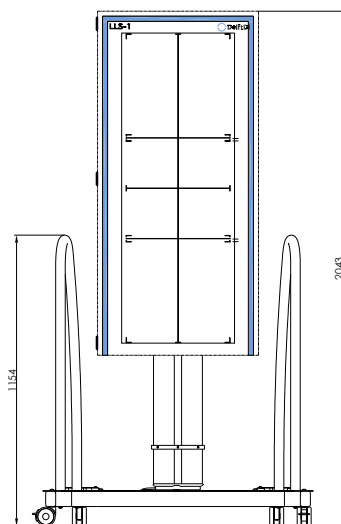
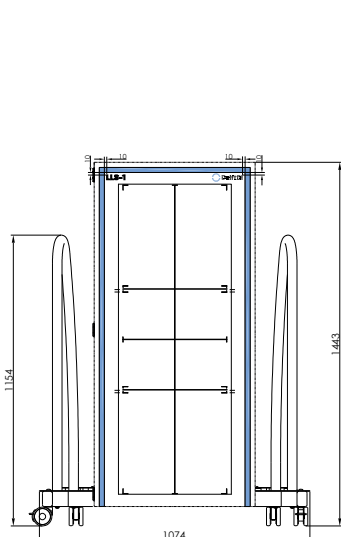
Using two or three identical Canon wireless DR detectors ensures detector usage that is maximised and shared across multiple applications. So it's not dedicated solely to Long-Length imaging with less frequent and less efficient utilisation.

When one or more DR systems with Canon software are already in place, all that is needed is to add the One Shot Long-Length Support Stand.

Choosing versatile DR solutions with Canon software ensures to quickly adopt the latest advances in DR and improve efficiency with a lower investment.

Patient safety and comfort:

DelftDI One Shot Long-Length imaging benefits patients by delivering a lower radiation dose when compared to multiple exposure image stitching and helps to provide an enhanced patient experience by virtue of a reduced exposure and examination time.



Advanced Edge Enhancement

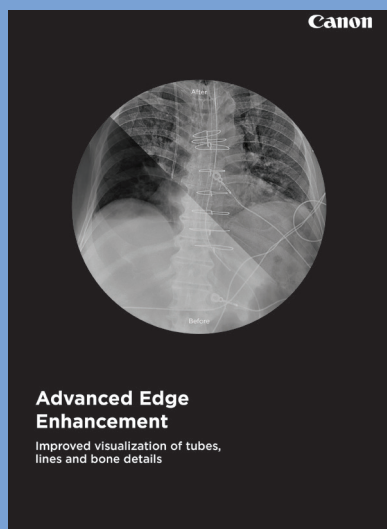
Improved interpretation confidence and radiologist reading efficiency

A Full Spine / Long Leg radiograph may be properly rendered and displayed with excellent overall diagnostic quality, yet it may still be challenging to visualize bone edges in underpenetrated regions.

In order to preserve global contrast and brightness for the overall image, gray levels may be quantized in the underpenetrated regions, which will cause some degree of detail contrast loss.

Canon's "Advanced Edge Enhancement" image processing is designed to enhance the visualization of bone details.

Besides the original diagnostic image, additional companion views can be added for a specific diagnostic or clinical purpose.



For more information, see our
Advanced Edge Enhancement brochure.