

Merge XR Toolkit[™]

A developer kit to optimize CR and DR X-ray image quality



According to the American Society of Radiologic Technologies, it is estimated that **7 out of every 10** Americans undergo some type of radiologic procedure annually.

In today's competitive healthcare environment, developers of digital X-ray consoles need to provide clinicians with a state-of-the-art solution that delivers quality images and improves patient throughput in high-volume imaging settings. You want to have a development toolkit that fully automates image processing tasks.

Now you can.

How We Help You

Merge XR Toolkit gives you the tools you need to fully automate the image enhancement process required by CR and DR X-ray consoles. Available in modules that either automate individual tasks or multiple tasks in sequence, Merge XR Toolkit increases patient throughput by eliminating manual sequences. Merge XR Toolkit modules include:

- Gain and offset correction
- Exposure index
- Automatic window width and level
- Automatic shutter
- Automatic image stitching
- Image enhancement

Merge Healthcare Toolkit Solutions are used by the world's leading OEMs and developers to stay on the leading edge of medical imaging.

With Merge XR Toolkit You Can



Automatically detect and edit a collimator anywhere on the image, ensuring ease of use in both manual and touch-screen environments.



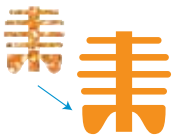
Calculate the IEC-62494-1 compliant exposure index, which is supported by the DICOM standard and can be stored and transmitted independently by any RIS/PACS solution.



Determine the relative position of each partial anatomy and fuse them into one complete image.

Merge Toolkit Solution Suite

- + **Merge DICOM Toolkit™:**
Develop DICOM interfaces that are highly-optimized for a wide-range of platforms with uncompromised stability and performance.
- + **Merge HL7 Toolkit™:**
Develop and deploy HL7 interfaces using workflow-enabled tools that provide stability and control.
- + **Merge XR Toolkit™:**
Fully automate image processing tasks performed by CR and DR X-ray consoles.



Target specific noise patterns introduced by the imaging device, resulting in enhanced image quality.



Reduce manual tasks and optimize image display using the application's automatic window width and level adjustment.

Merge Toolkit Solutions

Merge Healthcare Toolkit Solutions are used by the world's leading OEMs and developers to stay on the leading edge of medical imaging. Our commitment to standards-based interoperability and simplified adoption provides toolkits that allow products to come to market faster.

We are committed to providing developers with innovative communication and imaging developer solutions as part of our overall mission to champion interoperability and quality patient care for healthcare solutions globally. Interoperable image exchange and management is an enabling technology that reduces or eliminates many barriers to efficiency in healthcare organizations. Since 90% of the data in an electronic record comes from images, our toolkits provide a critical base for overall health information exchange.