

## the world's largest provider of imaging SDKs and viewers

**ImageGear Medical**  
DICOM medical imaging SDK  
**ImageTransport MD**  
DICOM Communications SDK

**PICTools Medical**  
advanced medical imaging  
technology

**PICVideo**  
the fastest video codec

**Barcode Xpress**  
1D and 2D barcode recognition SDK

**MICR Xpress**  
MICR recognition SDK for check  
processing applications

**Prizm Viewer**  
browser-based, client side image viewer

**FormFix**  
structured forms processing  
and OMR SDK

**NetVue**  
browser-based client/server  
document viewer

**ScanFix Xpress**  
superior scanned image cleanup SDK

**ImagXpress**  
speed-optimized document  
and photo imaging SDK

**PDF Xpress**  
high-level PDF and PDF/A SDK

**SmartZone ICR/OCR**  
text & handprint recognition SDK

**ISIS Xpress**  
high-speed ISIS scanning SDK

### FormSuite Pricing Bundle

a forms application development suite that includes the **FormFix** & **SmartZone ICR/OCR** SDKs

- .NET
- ASP.NET
- .NET Compact Framework
- ActiveX

- JAVA
- JAVA ME
- UNIX / LINUX
- Silverlight

- Windows
- DLL
- WPF

### industry proven use cases

One of the leading PACS vendors processes medical images using our JPEG 2000, lossy JPEG, lossless JPEG, and JPEG-LS on 1,500 servers and 10,000 desktops.

A prestigious medical research and treatment institution trusts PICTools to reliably open X-ray, CT, and MRI images on 40,000 workstations.



# imaging SDKs

that accelerate  
development



download trial SDKs at [accusoft.com](http://accusoft.com)

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[info@accusoft.com](mailto:info@accusoft.com)



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# your single source for medical imaging SDKs

Whether you're building a new medical imaging application, enhancing existing solutions with more effective image compression, or developing interfaces to DICOM-compliant devices, our SDKs get you there faster. Helping you easily integrate superior medical imaging functionality into your application is our mission. Our engineers are constantly pioneering advancements and refining solutions for image compression, viewing, DICOM, video, and other core image processing functions.

Accusoft Pegasus provides reliable code that always delivers. Image on.

## [ compression ]

Considered the best-supported and most advanced in the industry, our image and video compression libraries are used in many leading PACS, teleradiology, ultrasound, and cardiology applications. We provide standards-based compression and decompression SDKs containing low-level C libraries. Our code is optimized for both 32-bit and 64-bit environments, on multiple platforms, for high bit depths including 16-bit grayscale, offering the fastest compression and decompression engines available. We continuously monitor industry standards and support new environments and platforms as they come to market. Delivering both unmatched support and continuous improvement, Accusoft Pegasus is the preferred partner for image compression.

- Microsoft Windows
  - Solaris SPARC
  - Solaris x86
  - IBM AIX
  - LINUX
- Lossless JPEG
  - Lossy JPEG
  - JPEG 2000
  - JPEG-LS
- Still Image
  - Video
- 32-bit
  - 64-bit

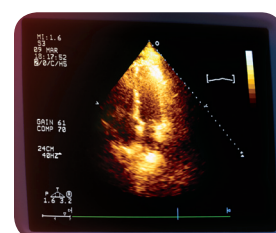
format	usage
<i>JPEG (Sequential)</i>	For enhanced JPEG decompression; remove block artifacts without blurring
<i>JPEG 2000</i>	User-configurable number of threads to optimize performance on multicore CPU's. Compress and decompress JPEG 2000 image data as used within the DICOM standard
<i>JPIP Client/Server Viewing for JPEG 2000</i>	Ideal for large medical images; build a JPEG 2000 JPIP implementation compliant with JPEG 2000, Part 9 standard
<i>JPEG 2000 Part 2 3D Slices Volumetric Encoding</i>	Compress and decompress JPEG 2000 3D image data; supports lossy and lossless modes
<i>JPEG 2000 Transcoder</i>	Change the number of layers; adjust image file size, compression rate, and overall quality; convert from lossless to lossy compression, re-encode for efficient JPIP transmission, and extract encoded thumbnails from images
<i>JPEG-LS</i>	Compress and decompress DICOM standard JPEG-LS images; provides excellent lossless or near-lossless compression
<i>Lossless JPEG</i>	High-speed lossless compression and decompression
<i>Medical RAW</i>	Read and write images from modalities in native format; often used in DICOM
<i>TIFF</i>	Medical records
<i>BMP</i>	Memory to memory transfers

## [ DICOM ]



With full support for the DICOM format, and access to the DICOM dataset, the Accusoft Pegasus medical imaging SDKs have been leveraged for more than a decade to help build world-class healthcare applications. We support both lossy and lossless DICOM-compliant formats, including 8-bit through 16-bit grayscale. Use our DICOM SDKs to read, write, display, and convert medical images into DICOM files. We also provide an interface to the DICOM communications protocol.

## [ video ]

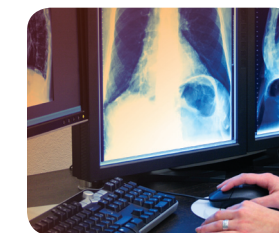


We deliver both the fastest and highest quality video compression and decompression in the industry. For over a decade, our Motion JPEG, and Motion Lossless JPEG technology has been deployed within high-quality medical video software. Complete control over video compression is delivered in low-level C libraries. A higher level interface is available through our codecs. The Lossless JPEG video codec is specifically designed for medical applications requiring high-speed lossless compression and decompression.

[ Motion JPEG  
Motion Lossless JPEG ]

[ 32-bit  
64-bit ]

## [ viewing ]



Our SDKs enable fast, accurate display of DICOM medical images and documents. The JPIP communications protocol is used to progressively view medical JPEG 2000 images when bandwidth is limited. We also offer browser-based and desktop viewing solutions with extensive customization capabilities and superior speed and features. Customers deliver server images to end user clients via the Web, and use annotation tools for collaboration. We support JPEG, JPEG 2000, Lossless JPEG, and document imaging formats.

[ client/server  
Java-based  
web-based  
thin-client  
desktop ]

[ ASP.NET  
Silverlight  
Windows  
LINUX ]

[ 32-bit  
64-bit ]

## [ forms processing ]

We provide an advanced suite of document forms processing SDKs for EMR / EHR application development. Use our SDKs to scan in healthcare forms, enhance and clean up scanned images, match scanned forms to your master form library, and clip fields of hand-printed or typed text, check marks, or bubble marks. Drop out the form background, perform OCR, ICR, or OMR, and pass it on to your electronic medical records application. Our SDKs simplify forms processing from scanning to viewing.

## the Accusoft Pegasus advantage

- standards compliance
- quality and speed
- superior technical support
- industry proven

download trial SDKs at [accusoft.com](http://accusoft.com)

