

Resource Summary Report

Generated by [NIF](#) on Aug 8, 2026

Template Image Processing Library

RRID:SCR_002600

Type: Tool

Proper Citation

Template Image Processing Library (RRID:SCR_002600)

Resource Information

URL: <http://tipl.labsolver.org>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on January 14, 2026. A lightweight C++ template library designed mainly for medical imaging processing. The design paradigm follows generic programming, and the purpose is to provide an easy-to-use and also ready-to-use library. The code is template-based, and only header files are needed to be included to the source code. This library provides the following functions: # DICOM (r), Analyze(r), Nifti (r/w), and MATLAB MAT V4 (r/w) # numerical: add, multiply, gradient. # interpolation: linear, gaussian radial basis # filters: mean, gaussian, laplacian, sobel, anisotropic diffusion # morphological processing: erosion, expansion, opening, closing # template-based Fourier transform # linear coregistration: rigid body, affine transform, least square fit, mutual information # nonlinear coregistration: The Large Deformation Diffeomorphic Metric Mapping (LDDMM)

Abbreviations: TIPL

Resource Type: image processing software, software toolkit, image analysis software, software library, software resource, software application, data processing software

Keywords: reusable library, analyze, c++, dicom, format conversion, magnetic resonance, nifti, os independent, segmentation, spatial transformation, visualization, win32 (ms windows)

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Template Image Processing Library

Resource ID: SCR_002600

Alternate IDs: nlx_156003

Alternate URLs: <http://www.nitrc.org/projects/tipl>

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260808T185743+0000

Ratings and Alerts

No rating or validation information has been found for Template Image Processing Library.

No alerts have been found for Template Image Processing Library.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.