

Resource Summary Report

Generated by PRECISE-TBI on Sep 7, 2026

OpenIGTLink

RRID:SCR_024148

Type: Tool

Proper Citation

OpenIGTLink (RRID:SCR_024148)

Resource Information

URL: <http://openigtlink.org/>

Proper Citation: OpenIGTLink (RRID:SCR_024148)

Description: Open source software network communication interface for image guided interventions. Provides plug-and-play unified real-time communications in operating rooms for image-guided interventions, where imagers, sensors, surgical robots, and computers from different vendors work cooperatively to ensure seamless data flow among those components and enable a closed loop process of planning, control, delivery, and feedback.

Synonyms: , openigtlink, Open Network Interface for Image-Guided Therapy Link

Resource Type: software library, software resource, software toolkit

Keywords: Open Network Interface for Image-Guided Therapy, communication interface, image guided interventions, unified real-time communications,

Availability: Free, Available for download, Freely available,

Resource Name: OpenIGTLink

Resource ID: SCR_024148

Alternate URLs: <https://sources.debian.org/src/openigtlink/>

License: BSD License

Record Creation Time: 20230824T050212+0000

Record Last Update: 20260905T133104+0000

Ratings and Alerts

No rating or validation information has been found for OpenIGTLink.

No alerts have been found for OpenIGTLink.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Van Gestel F, et al. (2023) Neuro-oncological augmented reality planning for intracranial tumor resection. *Frontiers in neurology*, 14, 1104571.

Connolly L, et al. (2022) Bridging 3D Slicer and ROS2 for Image-Guided Robotic Interventions. *Sensors (Basel, Switzerland)*, 22(14).