Last Change	Review	Approval

Document History

Version	Date	Changes	JIRA-Ticket	Name
V1	2026-01-06	Release of v1.0 of gammaSTAR Ilumr	n/a	dhoi

1 Introduction and Overview

This document summarizes the delivery of the **gammaSTAR Ilumr Server** for receiving raw MR sequence events and forward it to an ilumr tabletop MR system.

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2 Release Summary

Software Component	gammaSTAR Ilumr
Version	https://gitlab.fme.lan/gammastar/gs-py_backend/-/tree/main/sequenceServer/gammastar_ilumr?ref_type=heads • SHA: 046601a490a8f52967f054abf02422b4a633d5f1
Embedding Product(s)	Not applicable
Purpose of this Release	Provision of the gammaSTAR Ilumr v1.0 software under AGPLv3-clause license for research and educational purposes. Not for clinical use.
OS and Compiler Details	OS: Windows 11 Python Version: 3.12
Embedded Libraries	The following libraries are used by the software. Detailed license information is contained in the delivered "third_party_licenses" folder and in the NOTICE file. • numpy - BSD License • matplotlib - Matplotlib License (BSD-style) • ismrmrd - ISMRMRD SOFTWARE LICENSE JULY 2013 • h5py - BSD License • pydicom - MIT License • fastapi - MIT License • luajit - MIT License • lyaml - MIT License • inspect - MIT License • rapid_json - MIT License (with third-party notices; JSON_checker under JSON License, msinttypes under BSD) • logging - MIT License • lzmq - MIT License • cjson - MIT License • luasocket - MIT License
Functionality	The software acts as a FastAPI API that can receive gammaSTAR raw representation and forwards them to the ilumr tabletop MR system. It forwards the incoming measured raw data to the gammaSTAR image reconstruction.
Regulatory Compliance	THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

	In particular, Fraunhofer MEVIS does not ensure compliance to medical product regulations for the release.
Safety Classification	None
Risk Measures	No risk measures defined.
Known Nonconformities and Restrictions	The software is not qualified for use as a medical product or as part thereof. No bugs or restrictions are known.