



Program Listing for File holoinfer.hpp

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```
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"AS IS" BASIS, * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
express or implied. * See the License for the specific language governing
permissions and * limitations under the License. */ #ifndef
_HOLOSCAN_INFER_API_H #define _HOLOSCAN_INFER_API_H #include <iostream>
#include <map> #include <memory> #include <string> #include <vector> #include
"holoinfer_buffer.hpp" namespace holoscan { namespace inference { class
_HOLOSCAN_EXTERNAL_API_ InferContext { public: InferContext(); ~InferContext();
InferStatus set_inference_params(std::shared_ptr<InferenceSpecs>&
inference_specs); InferStatus execute_inference(DataMap& preprocess_data_map,
DataMap& output_data_map); DimType get_output_dimensions() const; private:
std::string unique_id_; }; class _HOLOSCAN_EXTERNAL_API_ ProcessorContext {
public: ProcessorContext(); InferStatus initialize(const MultiMappings&
process_operations, const std::string config_path); InferStatus process(const
MultiMappings& tensor_oper_map, const MultiMappings& in_out_tensor_map,
DataMap& processed_result_map, const std::map<std::string, std::vector<int>>&
dimension_map); DataMap get_processed_data() const; DimType
get_processed_data_dims() const; }; } // namespace inference } // namespace holoscan
#endif
```

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