



Program Listing for File video_stream_replayer.hpp

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`include/holoscan/operators/video_stream_replayer/video_stream_replayer.hpp`)

```
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or agreed to in writing, software * distributed under the License is distributed on an
"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_OPERATORS_STREAM_PLAYBACK_VIDEO_STREAM_REPLAYER_HPP
#define
HOLOSCAN_OPERATORS_STREAM_PLAYBACK_VIDEO_STREAM_REPLAYER_HPP
#include <memory> #include <string> #include <utility> #include <vector> #include
"holoscan/core/gxf/gxf_operator.hpp" #include "gxf/serialization/file_stream.hpp"
namespace holoscan::ops { class VideoStreamReplayerOp : public
holoscan::Operator { public:
HOLOSCAN_OPERATOR_FORWARD_ARGS(VideoStreamReplayerOp)
VideoStreamReplayerOp() = default; ~VideoStreamReplayerOp() override; void
setup(OperatorSpec& spec) override; void initialize() override; void
compute(InputContext& op_input, OutputContext& op_output, ExecutionContext&
context) override; private: Parameter<holoscan::IOSpec*> transmitter_;
Parameter<std::shared_ptr<holoscan::Resource>> entity_serializer_;
Parameter<std::shared_ptr<BooleanCondition>> boolean_scheduling_term_;
Parameter<std::string> directory_; Parameter<std::string> basename_;
Parameter<size_t> batch_size_; Parameter<bool> ignore_corrupted_entities_;
Parameter<float> frame_rate_; Parameter<bool> realtime_; Parameter<bool>
repeat_; Parameter<uint64_t> count_; // Internal state // File stream for entities
nvidia::gxf::FileStream entity_file_stream_; // File stream for index
nvidia::gxf::FileStream index_file_stream_; uint64_t playback_index_ = 0; uint64_t
playback_count_ = 0; uint64_t index_start_timestamp_ = 0; uint64_t
index_last_timestamp_ = 0; uint64_t index_timestamp_duration_ = 0; uint64_t
index_frame_count_ = 1; uint64_t playback_start_timestamp_ = 0; }; } // namespace
```

```
holoscan::ops #endif/*
```

```
HOLOSCAN_OPERATORS_STREAM_PLAYBACK_VIDEO_STREAM_REPLAYER_HPP */
```

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