



Class AnnotatedDoubleBufferReceiver

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- Defined in [File annotated_double_buffer_receiver.hpp](#)

Inheritance Relationships

Base Type

- `public nvidia::gxf::DoubleBufferReceiver`

Class Documentation

class AnnotatedDoubleBufferReceiver : public nvidia::gxf::DoubleBufferReceiver

[AnnotatedDoubleBufferReceiver](#) class tracks every received message with a [MessageLabel](#) timestamp.

Public Functions

AnnotatedDoubleBufferReceiver() = default

`gxf_result_t receive_abi(gxf_uid_t *uid)`

This function overrides the `DoubleBufferReceiver::receive_abi()` function. It first calls the base class' [receive_abi\(\)](#) function and extracts the [MessageLabel](#) from the received message. It then adds a new [OperatorTimestampLabel](#) to the [MessageLabel](#) and updates the [Operator](#)'s input message label.

`inline holoscan::Operator *op()`

`inline void op(holoscan::Operator *op)`

Sets the associated operator for this [AnnotatedDoubleBufferReceiver](#). It is set at the

`create_input_port()` function.

Parameters

op – The operator that this receiver is attached to.

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