Image Pattern Picker Documentation

Release 1.0

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CHAPTER 1

Image Pattern Picker

The aim of this device is to filter input images according to their train IDs.

The image pattern picker has two nodes (`chan_1` and `chan_2`); each of them contains an input channel that can be connected to an output channel to receive an image stream (e.g. from a camera).

The input image has to be found in the `data.image` element. If its `trainId` fulfills a given condition (see next Section), it will be forwarded to the output channel in the same node.

1.1 Input to the Device

Property key	Description
nBunchPatterns	Number of bunch patterns.
patternOffset	The image will be forwarded to the output if its `trainId` satisfies the following relation: `(trainId % nBunchPatterns) == patternOffset`.

1.2 Output of the Device

Property key	Description
inFrameRate	The rate of incoming images. It is refreshed once per second.
outFrameRate	The rate of averaged images written to the output channel. It is refreshed once per second.
output	The output channel. The forwarded images can be found in `data.image`.

CHAPTER 2

Indices and tables

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