OpenCVVideoStream protocol handler

The OpenCVVideoStream protocol handler allows reading and receiving video data. It offers a lot less functionality than the FFmpeg handler, but it can access DirectShow cameras. It uses the OpenCV Java port of JavaCV and is available in the video feature.

Options

See FFmpegVideoStream protocol handler. Offers access to DirectShow cameras using the **streamurl** option with "camera://<x>", where <x> is the number of the attached camera (for example "camera://0" for the first available camera on the system).

Schema

The output of the handler provides the following attributes as a schema. Attributes can be in arbitrary order and will be identified by the type.

Name	Type	Description
image	IMAGEJCV	The current frame of the video stream
starttimestamp	STARTTIMESTAMP	The start time stamp of the frame. Depends on the `timestampmode` option, will be omitted when set to 'none'
endtimestamp	ENDTIMESTAMP	The end time stamp of the frame. Depends on the `timestampmode` option, will be omitted when set to 'none'

Example

This example shows how to grab a video from a webcam and display it in a window:

PQL

VideoStream Protocol Handler

```
video = ACCESS({source='Video',
                                wrapper='GenericPull',
                                transport='none',
                                protocol='OpenCVVideoStream',
                                datahandler='Tuple',
                                options=[
                                                        ['streamUrl', 'camera://0'],
                                                        ['timeStampMode', 'none']
                                                ],
                                schema= [
                                                    ['image',                'IMAGEJCV']
                                            ]})

/// or shorter, as a source operator:
video = OPENCVVIDEO({source='Video', options=[['streamUrl', 'camera://0'], ['timeStampMode', 'none']]})

output = UDO({class='ShowImageJCV', init='0,Video'}, video)
```