

PiBox - Action Item #541

Add Webcam app

07 Aug 2016 18:01 - Hammel

Status:	Closed	Start date:	07 Aug 2016
Priority:	Immediate	Due date:	
Assignee:	Hammel	% Done:	100%
Category:	04 - Applications	Estimated time:	0.00 hour
Target version:	0.11.0		
Severity:	01 - Critical		
Description			
<p>Turns out this is easy to run. Just start the wecam (as is done with the web-based player) and then run:</p> <pre>omxplayer 'http://localhost:9090/?action=stream'</pre> <p>Playback smoother than on the web interface but there is a bit of jumpiness. And it eventually locks up.</p> <p>Might play better with the raspicam that's on order....</p>			

Associated revisions

Revision 65d18419 - 04 Sep 2016 16:12 - Hammel

RM #541: Initial import of picam application.

Revision 39e8703d - 05 Sep 2016 15:16 - Hammel

RM #541: Switch from -r to -b for omxplayer arg because the latter seems to muck up the HDMI display when the app exits.

Revision bef7df9 - 05 Sep 2016 15:17 - Hammel

RM #541: Add libuuid to build, required for webcam message to piboxd.

Revision 82a14121 - 05 Sep 2016 15:18 - Hammel

RM #541: Allow setting URL to connect to in the config file. Makes it easier to test.

Revision 3cb20ba5 - 05 Sep 2016 15:18 - Hammel

RM #541: Don't stat() the "filename" since that's actually a URL.

Revision 9322b3f0 - 05 Sep 2016 15:19 - Hammel

RM #541: Send messages to piboxd to start and stop webcam.

RM #541: Added generic piboxd message function. This is temporary - it should move into libpibox for general app use.

History

#1 - 04 Sep 2016 16:12 - Hammel

- Status changed from *New* to *In Progress*
- % Done changed from 0 to 30

Wrote the front end, but it's missing the startup of mjpeg-streamer. I need to add the call to piboxd (like in the web interface) to have mjpeg-streamer started before I try to connect to the stream. Probably needs a short pause or some mechanism to sync/validate the mjpeg-streamer server is running.

The web interface sends the command from this code: `piboxwww/src/piboxwww/php/webcam.php:webcam()`. The protocol is specified here: <http://www.graphics-muse.org/wiki/pmwiki.php/RaspberryPi/MessageFlow>.

I need to send an `MT_STREAM, MA_START` to initialize the process. Then send `MT_STREAM, MA_END` to stop it.

#2 - 05 Sep 2016 15:24 - Hammel

- Status changed from *In Progress* to *Closed*
- % Done changed from 30 to 100

Done. The webcam can now play on the console. There is an app icon for it in the launcher. The code also carries a generic messaging function to piboxd. This function should eventually be migrated to libpibox.

Tested on hardware via package installation. Code committed and pushed.

Closing issue.