**Real time video transmission– project card**

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**Sub-module to: Universal Flying Platforms (UFP)**

The aim of this project is to figure out how to transmit and receive video from Raspberry Pi camera via network. Possible solutions could use VLCJ for video reception on PC and bash script to setup RPI camera.

**Objectives:**

1. Swing frame for displaying the received video in real time.
2. Simple integration with Bixie Station.
3. Save-to-file ability is highly desired but not obligatory in the first version.
4. LAN and Internet operation.

**References:**

1. Bixie station repository [https://github.com/jmnich/UFP\_Bixie\_Station]
2. VLCJ main site [http://capricasoftware.co.uk/#/projects/vlcj]
3. VLCJ tutorial [http://capricasoftware.co.uk/#/projects/vlcj/tutorial]