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| **The videoJaiAq toolbox cheat sheet (May 2019)** | |
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| Methods | Description |
|  |  |
| cam = camFlowAq('gentl',1, 'Mono8'); | load object called cam |
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| camSettings(cam);  camSettings(cam, 'save', 'filename');  camSettings(cam, load, 'filename'); | dialog box – extended settings  save settings to *cameraSettings* folder  load settings from *cameraSettings* folder |
| cam.camera.src.*PropertyName* = *PropertyValue*; | change camera property |
| get(cam.camera.src) | list camera properties |
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| preview(cam) | preview camera |
| advancedPreview(cam) | preview camera with live histogram |
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| crop(cam)  cropReset(cam) | crop to user-defined ROI  reset crop |
| camFocus(cam) | open focus assist tool |
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| camColor(cam,gray)  camColor(cam,jet)  camColor(cam, 'satColor') | change colour of live stream |
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| acquireBackground(cam,*x*) | acquire *x* number of background images and save a time-average |
| camCalibrate(cam, 'line')  camCalibrate(cam,'checker', squareSize, numCalImages)  camCalibrate(cam, 'dye') | open user-assisted calibration |
| acquire(cam, 'on', 'on', *x*,'myMovieName', 'on') | acquire x images and save as avi movie in outputs/exp\* folder  2nd argument sets background save status  3rd argument sets calibration save status  4th argument overwrites # of frames  5th argument overwrites *moviename*  6th argument sets live acquisition status |
| fieldnames(cam.background)  fieldnames(cam.calibration) | display field names of a structure |
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| i = getsnapshot(cam.camera.vid);  imshow(i)  imwrite(i, 'filename')  imread(‘filename’) | get single image  show image  save image  load image |
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| implay('outputs/exp\*/raw.avi') | play movie |
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| liveBackgroundSubtract(cam) | live background subtraction mode |
| camLivestream(cam, process) | other live stream functionalities |