The Imaging Source Helpdesk

How to use TIS Cameras in Matlab

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In order to use our cameras with our IC Matlab Plugin, the Matlab IMAQ Toolbox must be installed.

The IC Matlab Plugin can be downloade dfrom
https://www.theimagingsource.com/support/downloads-for-windows/extensions/icmatlabr2013b/

The Matlab IMAQ Toolbox must be purchased from Mathworks.

The IC Matlab DLLs must be registered by a small script:

```
fclose all;
close all;
clear all;
clc;



path = '';
filename = 'TISImaq_R2013_';
adapter = 'tisimaq_r2013_';

b =  strfind(mexext, '64')

if isempty(b)
    path = '{app}\win32\';
    filename = strcat(path,filename,'32.dll');
    adapter = strcat(adapter,'32');
else
    path = '{app}\x64\';
    filename = strcat(path,filename,'64.dll');
    adapter = strcat(adapter,'64');
end
```

```
filename = replace(filename,"\","\\")


try
    objs = imaqhwinfo(adapter);                % get installed imaq hardware info


    fprintf('Unegister DLL file:\n');
    fprintf(filename);
    fprintf( '\n' );
    imaqregister(filename,'unregister');
catch exception
    fprintf('Register DLL file:\n');
    fprintf(filename);
    fprintf( '\n' );
    imaqregister(filename);
    fprintf( ['Installed Adaptor: ', adapter, '\n'] );
end


fprintf( 'done.\n' );
```

This script registers and unregisters the DLLs.

The "{app}" has to be exchanged with "C:\Programm Files\

TIS IMAQ for MATLAB R2013b", depending on what " "C:\Programm Files\" is translated on your computer.