

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 downloaded from

<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('Unregister 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.