

# Useful functions for image processing in MATLAB

## Digital Photography 2014 EPFL-IC-IVRG

imread	Read the image
imshow	Display the image
imwrite	Save the image to hard-drive
im2double	Convert image values to double (values between 0 and 1)
rgb2gray	Convert color images to gray-scale
imresize	Change the size of the image
imnoise	Add noise to the image
fspecial	Design different filters
imfilter	Filter the image with the specified filter
imhist	Compute and plot the histogram of the image
fft2	Compute the two-dimensional FFT of the image
dct2	Compute the two-dimensional DCT of the image

Many more can be found at: [http://  
www.mathworks.com/help/images/  
functionlist.html](http://www.mathworks.com/help/images/functionlist.html)