Computer Vision HW3

R07945030 生醫電資所 李國弘

實作一

1. 使用軟體; matlab 2. code img = rgb2gray(imread('lena.jpg')); [a, b] = size(img);figure, imshow(img); hist = zeros(1, 256); acc = hist; hist2 = hist; for i = 0:255hist(i+1) = length(find(img == i)); end for i = 0:255acc(i+1) = sum(hist(1:i));end img2 = zeros(a, b);for i = 0:255img2(img == i) = 255*(acc(i+1)/(a*b));end figure, imshow(uint8(img2)); figure, bar(hist); img2 = round(img2); for i = 0:255hist2(i+1) = length(find(img2 == i)); end figure, bar(hist2); 3. 作業說明 a. 程式流程:讀入圖片、產生原圖的直方圖、histogram equalization、產 生結果直方圖

執行結果

