

```

i = imread("IMG-20191216-WA0102.jpg");
g = rgb2gray( i );

figure
%set(figure,'unit','pix','position',[0 0 1080 720]);
subplot(2,1,1); imshow(i); title('Original Image');
subplot(2,1,2); imshow(g); title('Grayscale Image');

```

Original Image



Grayscale Image



```

figure
%set(figure,'unit','pix','position',[0 0 1080 720]);
subplot(4,2,1);
B1=bitget(g,1);
imshow(logical(B1));
title('Bit plane1');
colormap(gray(2));

subplot(4,2,2);
B2=bitget(g,2);
imshow(logical(B2));
title('Bit plane2');
colormap(gray(2));

subplot(4,2,3);
B3=bitget(g,3);
imshow(logical(B3));
title('Bit plane3');

```

```
colormap(gray(2));

subplot(4,2,4);
B4=bitget(g,4);
imshow(logical(B4));
title('Bit plane4');
colormap(gray(2));

subplot(4,2,5);
B5=bitget(g,5);
imshow(logical(B5));
title('Bit plane5');
colormap(gray(2));

subplot(4,2,6);
B6=bitget(g,6);
imshow(logical(B6));
title('Bit plane6');
colormap(gray(2));

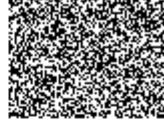
subplot(4,2,7);
B7=bitget(g,7);
imshow(logical(B7));
title('Bit plane7');
colormap(gray(2));

subplot(4,2,8);
B8=bitget(g,8);
imshow(logical(B8));
title('Bit plane8');
colormap(gray(2));
```

Bit plane1



Bit plane2



Bit plane3



Bit plane4



Bit plane5



Bit plane6



Bit plane7



Bit plane8

