CMOS Color Camera

The “Raw” Image is 288 ROWS by 352 COLUMNS in the Bayer Pattern.

I compress that image for you into a 144 ROW by 176 COLUMN RGB Image

C Defines, Types and Functions:

1. 
   ```c
   #define IMAGE_ROWS 144
   #define IMAGE_COLUMNS 176
   ```

2. 
   ```c
   typedef struct bgr {
      unsigned char blue;
      unsigned char green;
      unsigned char red;
   } bgr;
   ```

3. 
   ```c
   void userProcessColorImageFunc_laser(volatile bgr *ptrImage)
   ```

You will edit this function to create your vision processing algorithms. The function is passed an array of type bgr “ptrImage”. ptrImage is the 144R X 176C compressed image. To access individual pixels of the image you would write for example:

```c
   unsigned char myred;
   int r,c;
   r = 71; c = 34;
   myred = ptrImage[r*IMAGE_COLUMNS+c].red;
```