




640 x 480 resolution: one array of 307.200 positions. 320 x 240, 76.800 positions.

```
In[54]:= {307 200, 640 * 480, 320 * 240}
```

```
Out[54]:= {307 200, 307 200, 76 800}
```

```
In[2]:= FindDevices["Camera"]
```

```
Out[2]:= {DeviceObject[  Class: Camera ID: 1  
Status:  Not connected (HD Pro Webcam C920)]]}
```

```
In[3]:= $ImagingDevices
```

```
Out[3]:= {HD Pro Webcam C920}
```

```
In[9]:= CurrentImage[]
```

```
Out[9]=
```



```
In[39]:= Clear[ci];
```

```
ci = Import[FileNameJoin[{NotebookDirectory[], "Webcam1.png"}]];
```

```
In[43]:= ImageChannels@ci
```

```
Out[43]= 3
```

```
In[42]:= ImageData@ci
```

```
Out[42]=
```

```
{{{0.592157, 0.572549, 0.596078}, {0.592157, 0.572549, 0.596078},  
{0.592157, 0.576471, 0.588235}, {0.592157, 0.576471, 0.588235},  
... 313 ...}, {0.698039, 0.678431, 0.717647}, {0.698039, 0.678431, 0.717647},  
{0.694118, 0.67451, 0.713725}}, ... 238 ...}, {{{... 1 ...}, ... 318 ...}, {... 1 ...}}}}
```

large output

show less

show more

show all

set size limit...

```
In[48]:= Clear[idb];
idb = ImageData[ci, "Byte"]
```

```
Out[49]= {{ {151, 146, 152}, {151, 146, 152}, {151, 147, 150}, {151, 147, 150}, {151, 147, 150},
{153, 148, 151}, {153, 148, 153}, {154, 149, 154}, {152, 149, 152}, {151, 148, 151},
{153, 148, 153}, {153, 148, 153}, {153, 148, 153}, {153, 148, 153}, {152, 149, 152},
{152, 149, 152}, {153, 151, 153}, ... 287 ... , {179, 174, 184}, {179, 174, 184},
{178, 174, 184}, {178, 174, 184}, {178, 174, 184}, {178, 174, 184}, {178, 175, 182},
{178, 175, 182}, {178, 174, 184}, {176, 173, 183}, {176, 173, 183}, {176, 173, 183},
{178, 173, 183}, {178, 173, 183}, {178, 173, 183}, {177, 172, 182}}, ... 239 ... }
```

[large output](#)
[show less](#)
[show more](#)
[show all](#)
[set size limit...](#)

```
In[50]:= Length[idb]
```

```
Out[50]= 240
```

```
In[53]:= Take[First[idb, 50]
```

```
Out[53]= {{ {151, 146, 152}, {151, 146, 152}, {151, 147, 150}, {151, 147, 150}, {151, 147, 150},
{153, 148, 151}, {153, 148, 153}, {154, 149, 154}, {152, 149, 152}, {151, 148, 151},
{153, 148, 153}, {153, 148, 153}, {153, 148, 153}, {153, 148, 153}, {152, 149, 152},
{152, 149, 152}, {153, 151, 153}, {153, 151, 153}, {153, 151, 153}, {154, 152, 155},
{154, 152, 155}, {152, 149, 152}, {153, 151, 153}, {153, 151, 153}, {153, 151, 153},
{153, 151, 153}, {154, 152, 157}, {153, 150, 156}, {152, 149, 154}, {153, 150, 156},
{151, 151, 156}, {150, 150, 154}, {150, 150, 154}, {151, 151, 156}, {153, 151, 153},
{153, 151, 153}, {153, 150, 156}, {153, 150, 156}, {153, 150, 156}, {153, 150, 156},
{153, 150, 158}, {153, 150, 158}, {153, 150, 156}, {153, 150, 156}, {153, 151, 153},
{153, 151, 153}, {153, 150, 156}, {153, 150, 156}, {156, 151, 157}, {155, 150, 156} }
```

```
In[52]:= Length@First[idb]
```

```
Out[52]= 320
```