

In [4]:

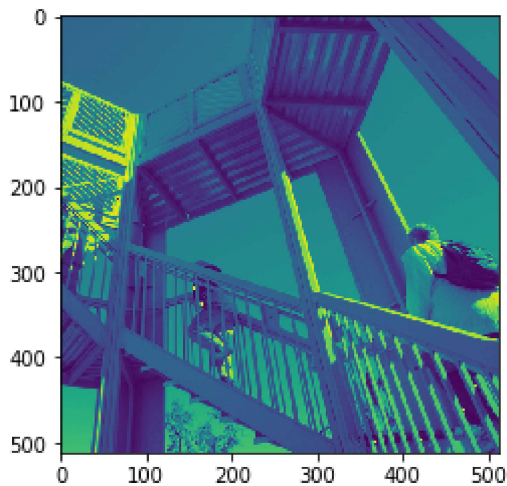
```
a = misc.ascent()
```

In [6]:

```
plt.imshow(a)
```

Out[6]:

<matplotlib.image.AxesImage at 0x1945311a888>



In [7]:

```
plt.show()
```

In [8]:

```
import numpy as np
```

In [9]:

```
from scipy import ndimage
```

In [12]:

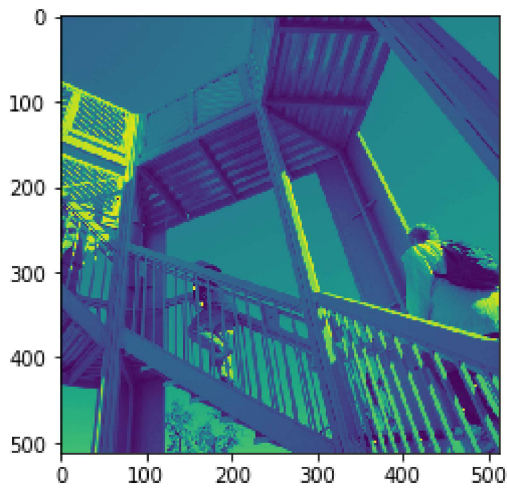
```
import matplotlib.pyplot as plt
```

In [14]:

```
plt.imshow(a)
```

Out[14]:

<matplotlib.image.AxesImage at 0x194533d6048>



In [23]:

```
import matplotlib.pyplot as plt
```

In [24]:

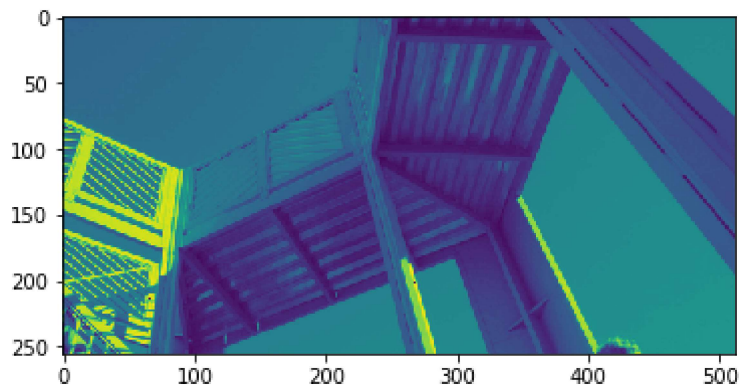
```
from scipy import misc
```

In [34]:

```
x1,x2 = np.split(a, 2)
```

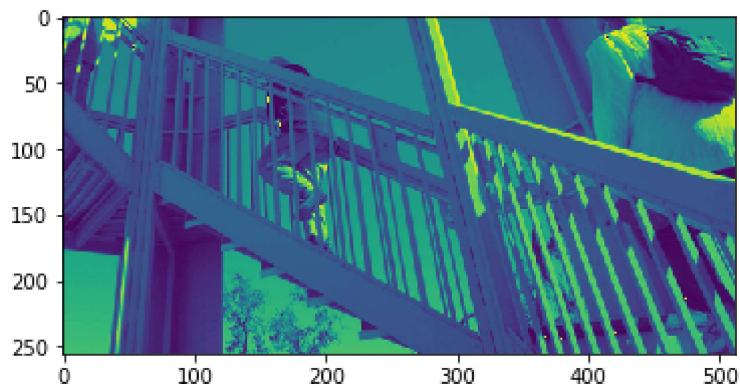
In [35]:

```
plt.imshow(x1)  
plt.show()
```



In [36]:

```
plt.imshow(x2)  
plt.show()
```

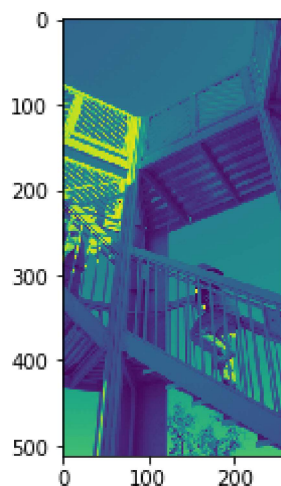


In [37]:

```
y1,y2 = np.split(a,2,axis =1)
```

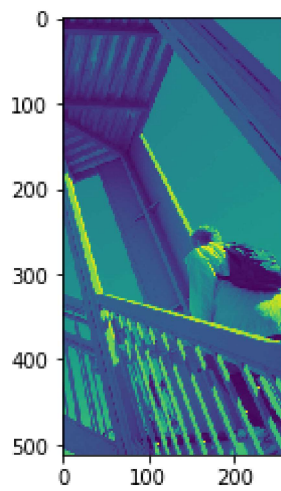
In [38]:

```
plt.imshow(y1)  
plt.show()
```



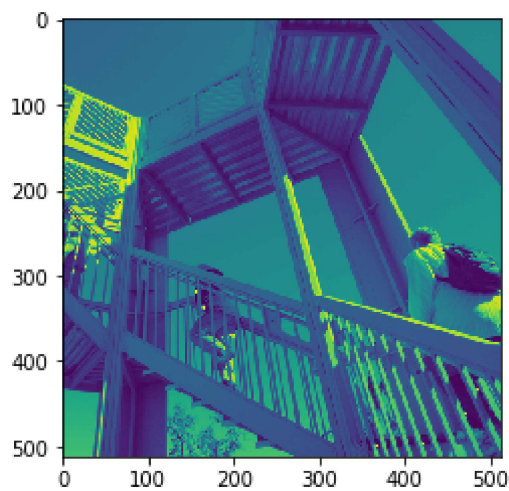
In [39]:

```
plt.imshow(y2)  
plt.show()
```



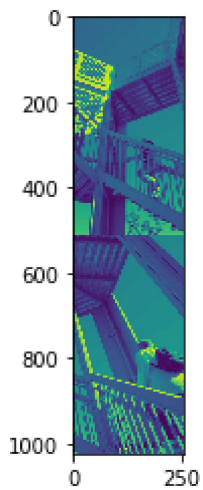
In [40]:

```
plt.imshow(np.concatenate((x1,x2)))  
plt.show()
```



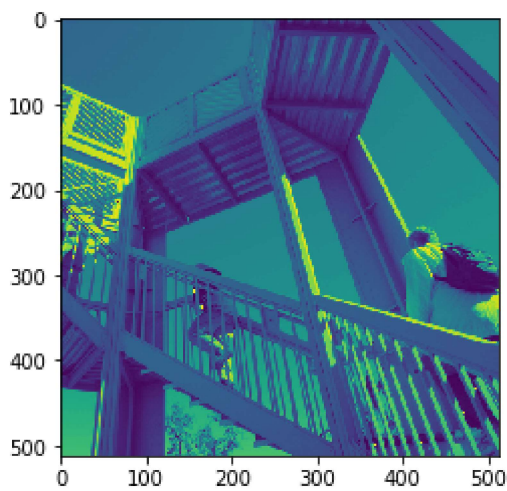
In [41]:

```
plt.imshow(np.concatenate((y1,y2)))  
plt.show()
```



In [42]:

```
plt.imshow(np.concatenate((y1,y2),axis = 1))  
plt.show()
```



In [43]:

```
from scipy import misc
```