

Text and picture drawing

Function call: cv2.putText(img, str, origin, font, size, color, thickness)

The parameters are: picture, added text, upper left corner coordinate (integer), font, font size, color, and font thickness.

Font types are as follows:

枚举	
FONT_HERSHEY_SIMPLEX Python: cv.FONT_HERSHEY_SIMPLEX	正常大小sans-serif字体
FONT_HERSHEY_PLAIN Python: cv.FONT_HERSHEY_PLAIN	小尺寸sans-serif字体
FONT_HERSHEY_DUPLEX Python: cv.FONT_HERSHEY_DUPLEX	正常大小的sans-serif字体 (比FONT_HERSHEY_SIMPLEX更复杂)
FONT_HERSHEY_COMPLEX Python: cv.FONT_HERSHEY_COMPLEX	正常大小的衬线字体
FONT_HERSHEY_TRIPLEX Python: cv.FONT_HERSHEY_TRIPLEX	正常大小的serif字体 (比FONT_HERSHEY_COMPLEX更复杂)
FONT_HERSHEY_COMPLEX_SMALL Python: cv.FONT_HERSHEY_COMPLEX_SMALL	较小版本的FONT_HERSHEY_COMPLEX
FONT_HERSHEY_SCRIPT_SIMPLEX Python: cv.FONT_HERSHEY_SCRIPT_SIMPLEX	手写风格的字体
FONT_HERSHEY_SCRIPT_COMPLEX Python: cv.FONT_HERSHEY_SCRIPT_COMPLEX	更复杂的FONT_HERSHEY_SCRIPT_SIMPLEX变体
FONT_ITALIC Python: cv.FONT_ITALIC	标志为斜体字体

YahBoom

- Start Docker

After entering the Raspberry Pi 5 desktop, open a terminal and run the following command to start the container corresponding to Dofbot:

```
./Docker_Ros.sh
```

Access Jupyter Lab within Docker:

```
IP:9999 // Example: 192.168.1.11:9999
```

Code path:/root/Dofbot/4.opencv/3.draw_picture/06_draw_world.ipynb

```
import cv2
import numpy as np

img = cv2.imread('yahboom.jpg',1)

font = cv2.FONT_HERSHEY_SIMPLEX

cv2.rectangle(img,(200,100),(500,400),(0,255,0),3)

# 1 dst 2 text content 3 coordinates 4 5 font size 6 color 7 thickness 8 line
type
```

```
cv2.putText(img, 'Yahboom', (250, 50), font, 1, (200, 200, 0), 2, cv2.LINE_AA)
```

```
#cv2.imshow('src',img)
```

```
#cv2.waitKey(0)
```

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

```
img = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
```

```
plt.imshow(img)
```

```
plt.show()
```

