SPRINT-3

Date	16 November 2022
Team ID	PNT2022TMID30922
Project Name	VirtualEye - Life Gaurd for Swimming Pools To Detect Active Drowning
Maximum Marks	4 Marks

```
[net]
#
Testing
#
batch=1
#
subdivisions=1
# Training
batch=64
subdivisions=1
6 width=608
height=608
channels=3
momentum=0.9
decay=0.0005
angle=0
saturation = 1.5
exposure = 1.5
hue=.1
learning_rate=0.0
1 burn_in=1000
max_batches = 500200
policy=steps
steps=400000,450000
scales=.1,.1
[convolutional]
```

batch_normalize=
1 filters=32
size=
3
stride
=1
pad=1
activation=lea
ky #
Downsample
[convolutional
]
batch_normalize=
1 filters=64
size=
3
stride
=2
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=32
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=64
size=
3
stride
=1
pad=1

activation=leaky[shortcu
t] from=-3
activation=line
ar #
Downsample
[convolutional]
batch_normalize=
1 filters=128
size=
3
stride
=2
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=64
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=128
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]

batch_normalize=
1 filters=64
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=128
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=line
ar #
Downsample
[convolutional]
batch_normalize=1filters=256
size=3
stride
=2
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1

activation=leaky
[convolutional]
batch_normalize=
1 filters=256
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=256
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1

filters=1
28
size=1
stride=1
pad=1
activation=leaky
[convolutional]
batch_normalize=1
filters=256
size=3stride=1
pad=1
activation=leaky
[shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=256
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]

batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=256
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]batch_normalize=1
filters=256
size=
3
stride
=1
pad=1

activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=256
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=256

size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=line
ar #
Downsample
[convolutional]
batch_normalize=
1 filters=512
size=3
stride=2pad=1
activation=leaky
[convolutional]
batch_normalize=1
filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=512
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]

from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=512
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1
filters=512
size=3

stride=1pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=512
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]

batch_normalize=
1 filters=512
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]batch_normalize=1
filters=512
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride

=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=512
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=line
ar
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=512
size=
3
stride
=1
pad=1
activation=lea
ky [shortcut]

from=-3
activation=line
ar #
Downsample
[convolutional]
batch_normalize=1
filters=1024
size=3stride=2
pad=1
activation=leaky
[convolutional]
batch_normalize=1
filters=512
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 filters=1024
size=3 stride=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=512
size=
1
stride
=1
pad=1

activation=leaky
[convolutional]
batch_normalize=
1 filters=1024
size=3 stride=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=linear
[convolutional]
batch_normalize=
1 filters=512
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=1
filters=1024 size=3
stride=1
pad=1activation=leak
y [shortcut]
from=-3
activation=line
ar
[convolutional]
batch_normalize=
1 filters=512
size=
1
stride
=1
pad=1

activation=leaky
[convolutional]
batch_normalize=
1 filters=1024
size=3 stride=1
pad=1
activation=lea
ky [shortcut]
from=-3
activation=line
ar
######################
[convolutional]
batch_normalize=
1 filters=512
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 size=3
stride=1
pad=1
filters=10
24
activation=leaky
[convolutional]
batch_normalize=
1 filters=512
size=
1
stride
=1

pad=1
activation=leaky
[convolutional]
batch_normalize=
1 size=3
stride
=1
pad=1
filters=1024activation=leaky
[convolutional]
batch_normalize=1 filters=512
size=1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 size=3
stride=1
pad=1
filters=10
24
activation=lea
ky
[convolutional
] size=1
stride=1
pad=1
filters=2
55
activation=line
ar [yolo]
mask = 6,7,8
anchors = 10,13, 16,30,
156,198, 373,326

classes=8
0 num=9
jitter=.3
ignore_thresh = .7
truth_thresh = 1
random=
1 [route]
layers =
-4
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=lea
ky [upsample]
stride=2
[route]
layers = -1,
61
[convolutiona
l] 33,23,
30,61,
62,45,
59,119,
116,90,batch_normalize=1
filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]

batch_normalize=
1 size=3
stride=1
pad=1
filters=5
12
activation=leaky
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 size=3
stride=1
pad=1
filters=5
12
activation=leaky
[convolutional]
batch_normalize=
1 filters=256
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 size=3

stride=1
pad=1
filters=5
12
activation=lea
ky
[convolutional
] size=1
stride=1
pad=1
filters=2
55
activation=line
ar [yolo]
mask = 3,4,5anchors = 10,13, 16,30,
156,198, 373,326
classes=8
0 num=9
jitter=.3
ignore_thresh = .7
truth_thresh = 1
random=
1 [route]
layers =
-4
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=lea
ky [upsample]
stride=2
[route]

layers = -1, 36
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 size=3
stride=1
pad=1
filters=2
56
activation=leaky
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1
size=
3
stride
=1
33,23,
30,61,
62,45,

59,119,
116,90,pad=1
filters=256
activation=leaky
[convolutional]
batch_normalize=
1 filters=128
size=
1
stride
=1
pad=1
activation=leaky
[convolutional]
batch_normalize=
1 size=3
stride=1
pad=1
filters=2
56
activation=lea
ky
[convolutional
] size=1
stride=1
pad=1
filters=2
55
activation=line
ar [yolo]
mask = 0,1,2
anchors = 10,13, 16,30,
156,198, 373,326
classes=8
0 num=9
jitter=.3
ignore_thresh = .7

truth_thresh =

1 random=1

33,23,

30,61,

62,45,

59,119,

116,90,