

```
In [1]: import urllib.request
```

```
zip_url= 'https://storage.googleapis.com/kaggle-data-sets/5043911/8461408/bundle/archive  
# Download the zip file  
urllib.request.urlretrieve(zip_url, "file.zip")
```

```
Out[1]: ('file.zip', <http.client.HTTPMessage at 0x7c6c7ed1f010>)
```

```
In [2]: import zipfile
```

```
with zipfile.ZipFile("file.zip", 'r') as zip_ref:  
    zip_ref.extractall("extracted_contents")
```

```
In [3]: !pip install git+https://github.com/THU-MIG/yolov10.git
```

```
Collecting git+https://github.com/THU-MIG/yolov10.git  
  Cloning https://github.com/THU-MIG/yolov10.git to /tmp/pip-req-build-061qhcd  
  Running command git clone --filter=blob:none --quiet https://github.com/THU-MIG/yolov10.git /tmp/pip-req-build-061qhcd  
  Resolved https://github.com/THU-MIG/yolov10.git to commit 2c36ab0f108efdd17c7e290564bb845ccb6844d8  
  Installing build dependencies ... done  
  Getting requirements to build wheel ... done  
  Preparing metadata (pyproject.toml) ... done  
Requirement already satisfied: matplotlib>=3.3.0 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (3.7.1)  
Requirement already satisfied: opencv-python>=4.6.0 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (4.8.0.76)  
Requirement already satisfied: pillow>=7.1.2 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (9.4.0)  
Requirement already satisfied: pyyaml>=5.3.1 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (6.0.1)  
Requirement already satisfied: requests>=2.23.0 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (2.31.0)  
Requirement already satisfied: scipy>=1.4.1 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (1.11.4)  
Requirement already satisfied: torch>=1.8.0 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (2.3.0+cu121)  
Requirement already satisfied: torchvision>=0.9.0 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (0.18.0+cu121)  
Requirement already satisfied: tqdm>=4.64.0 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (4.66.4)  
Requirement already satisfied: psutil in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (5.9.5)  
Requirement already satisfied: py-cpuinfo in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (9.0.0)  
Collecting thop>=0.1.1 (from ultralytics==8.1.34)  
  Downloading thop-0.1.1.post2209072238-py3-none-any.whl (15 kB)  
Requirement already satisfied: pandas>=1.1.4 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (2.0.3)  
Requirement already satisfied: seaborn>=0.11.0 in /usr/local/lib/python3.10/dist-packages (from ultralytics==8.1.34) (0.13.1)  
Requirement already satisfied: contourpy>=1.0.1 in /usr/local/lib/python3.10/dist-packages (from matplotlib>=3.3.0->ultralytics==8.1.34) (1.2.1)  
Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.10/dist-packages (from matplotlib>=3.3.0->ultralytics==8.1.34) (0.12.1)  
Requirement already satisfied: fonttools>=4.22.0 in /usr/local/lib/python3.10/dist-packages (from matplotlib>=3.3.0->ultralytics==8.1.34) (4.53.0)  
Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.10/dist-packages (from matplotlib>=3.3.0->ultralytics==8.1.34) (1.4.5)  
Requirement already satisfied: numpy>=1.20 in /usr/local/lib/python3.10/dist-packages (from matplotlib>=3.3.0->ultralytics==8.1.34) (1.25.2)
```

Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.10/dist-packages (from matplotlib>=3.3.0->ultralytics==8.1.34) (24.1)  
Requirement already satisfied: pyparsing>=2.3.1 in /usr/local/lib/python3.10/dist-packages (from matplotlib>=3.3.0->ultralytics==8.1.34) (3.1.2)  
Requirement already satisfied: python-dateutil>=2.7 in /usr/local/lib/python3.10/dist-packages (from matplotlib>=3.3.0->ultralytics==8.1.34) (2.8.2)  
Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.10/dist-packages (from pandas>=1.1.4->ultralytics==8.1.34) (2023.4)  
Requirement already satisfied: tzdata>=2022.1 in /usr/local/lib/python3.10/dist-packages (from pandas>=1.1.4->ultralytics==8.1.34) (2024.1)  
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.10/dist-packages (from requests>=2.23.0->ultralytics==8.1.34) (3.3.2)  
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests>=2.23.0->ultralytics==8.1.34) (3.7)  
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests>=2.23.0->ultralytics==8.1.34) (2.0.7)  
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests>=2.23.0->ultralytics==8.1.34) (2024.6.2)  
Requirement already satisfied: filelock in /usr/local/lib/python3.10/dist-packages (from torch>=1.8.0->ultralytics==8.1.34) (3.14.0)  
Requirement already satisfied: typing-extensions>=4.8.0 in /usr/local/lib/python3.10/dist-packages (from torch>=1.8.0->ultralytics==8.1.34) (4.12.2)  
Requirement already satisfied: sympy in /usr/local/lib/python3.10/dist-packages (from torch>=1.8.0->ultralytics==8.1.34) (1.12.1)  
Requirement already satisfied: networkx in /usr/local/lib/python3.10/dist-packages (from torch>=1.8.0->ultralytics==8.1.34) (3.3)  
Requirement already satisfied: jinja2 in /usr/local/lib/python3.10/dist-packages (from torch>=1.8.0->ultralytics==8.1.34) (3.1.4)  
Requirement already satisfied: fsspec in /usr/local/lib/python3.10/dist-packages (from torch>=1.8.0->ultralytics==8.1.34) (2023.6.0)  
Collecting nvidia-cuda-nvrtc-cu12==12.1.105 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_cuda\_nvrtc\_cu12-12.1.105-py3-none-manylinux1\_x86\_64.whl (23.7 MB)  
Collecting nvidia-cuda-runtime-cu12==12.1.105 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_cuda\_runtime\_cu12-12.1.105-py3-none-manylinux1\_x86\_64.whl (823 kB)  
Collecting nvidia-cuda-cupti-cu12==12.1.105 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_cuda\_cupti\_cu12-12.1.105-py3-none-manylinux1\_x86\_64.whl (14.1 MB)  
Collecting nvidia-cudnn-cu12==8.9.2.26 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_cudnn\_cu12-8.9.2.26-py3-none-manylinux1\_x86\_64.whl (731.7 MB)  
Collecting nvidia-cublas-cu12==12.1.3.1 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_cublas\_cu12-12.1.3.1-py3-none-manylinux1\_x86\_64.whl (410.6 MB)  
Collecting nvidia-cufft-cu12==11.0.2.54 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_cufft\_cu12-11.0.2.54-py3-none-manylinux1\_x86\_64.whl (121.6 MB)  
Collecting nvidia-curand-cu12==10.3.2.106 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_curand\_cu12-10.3.2.106-py3-none-manylinux1\_x86\_64.whl (56.5 MB)  
Collecting nvidia-cusolver-cu12==11.4.5.107 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_cusolver\_cu12-11.4.5.107-py3-none-manylinux1\_x86\_64.whl (124.2 MB)  
Collecting nvidia-cuspars-cu12==12.1.0.106 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_cuspars-cu12-12.1.0.106-py3-none-manylinux1\_x86\_64.whl (196.0 MB)  
Collecting nvidia-nccl-cu12==2.20.5 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_nccl\_cu12-2.20.5-py3-none-manylinux2014\_x86\_64.whl (176.2 MB)  
Collecting nvidia-nvtx-cu12==12.1.105 (from torch>=1.8.0->ultralytics==8.1.34)  
Using cached nvidia\_nvtx\_cu12-12.1.105-py3-none-manylinux1\_x86\_64.whl (99 kB)  
Requirement already satisfied: triton==2.3.0 in /usr/local/lib/python3.10/dist-packages (from torch>=1.8.0->ultralytics==8.1.34) (2.3.0)  
Collecting nvidia-nvjitlink-cu12 (from nvidia-cusolver-cu12==11.4.5.107->torch>=1.8.0->ultralytics==8.1.34)  
Downloading nvidia\_nvjitlink\_cu12-12.5.40-py3-none-manylinux2014\_x86\_64.whl (21.3 MB)  
21.3/21.3 MB 54.4 MB/s eta 0:00:00  
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.10/dist-packages (from python-dateutil>=2.7->matplotlib>=3.3.0->ultralytics==8.1.34) (1.16.0)  
Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.10/dist-packages (from jinja2->torch>=1.8.0->ultralytics==8.1.34) (2.1.5)  
Requirement already satisfied: mpmath<1.4.0,>=1.1.0 in /usr/local/lib/python3.10/dist-packages (from sympy->torch>=1.8.0->ultralytics==8.1.34) (1.3.0)  
Building wheels for collected packages: ultralytics  
Building wheel for ultralytics (pyproject.toml) ... done

```
Created wheel for ultralytics: filename=ultralytics-8.1.34-py3-none-any.whl size=73124
4 sha256=2020ea8c268bd60de5ce2c5154b2c0dc987e40cdebd39720a9f6749c3ae7400a
  Stored in directory: /tmp/pip-ephem-wheel-cache-elj63tj5/wheels/43/69/ce/a29f8e396d41e
dc5db9476051cc64b70a69ade35dc81efbec9
Successfully built ultralytics
Installing collected packages: nvidia-nvtx-cu12, nvidia-nvjitlink-cu12, nvidia-nccl-cu1
2, nvidia-curand-cu12, nvidia-cufft-cu12, nvidia-cuda-runtime-cu12, nvidia-cuda-nvrtc-cu
12, nvidia-cuda-cupti-cu12, nvidia-cublas-cu12, nvidia-cusparse-cu12, nvidia-cudnn-cu12,
nvidia-cusolver-cu12, thop, ultralytics
Successfully installed nvidia-cublas-cu12-12.1.3.1 nvidia-cuda-cupti-cu12-12.1.105 nvidi
a-cuda-nvrtc-cu12-12.1.105 nvidia-cuda-runtime-cu12-12.1.105 nvidia-cudnn-cu12-8.9.2.26
nvidia-cufft-cu12-11.0.2.54 nvidia-curand-cu12-10.3.2.106 nvidia-cusolver-cu12-11.4.5.1
07 nvidia-cusparse-cu12-12.1.0.106 nvidia-nccl-cu12-2.20.5 nvidia-nvjitlink-cu12-12.5.40
nvidia-nvtx-cu12-12.1.105 thop-0.1.1.post2209072238 ultralytics-8.1.34
```

## Training

```
In [4]: import ultralytics
        from ultralytics import YOLOv10
```

```
In [5]: model = YOLOv10.from_pretrained('jameslahm/yolov10x')
```

```
/usr/local/lib/python3.10/dist-packages/huggingface_hub/utils/_token.py:89: UserWarning:
The secret `HF_TOKEN` does not exist in your Colab secrets.
To authenticate with the Hugging Face Hub, create a token in your settings tab (https://
huggingface.co/settings/tokens), set it as secret in your Google Colab and restart your
session.
You will be able to reuse this secret in all of your notebooks.
Please note that authentication is recommended but still optional to access public model
s or datasets.
  warnings.warn(
config.json:   0%|          | 0.00/1.72k [00:00<?, ?B/s]
model.safetensors:   0%|          | 0.00/128M [00:00<?, ?B/s]
```

```
In [6]: model.train(
        data="/content/extracted_contents/football_players_detection/football_players_detect
        epochs=8,
        batch=8,
        imgsz=640,
        device=0,
        lr0=0.01,
        momentum=0.937,
        weight_decay=0.0005,
        patience=50,
        optimizer="Adam",
        workers=8,
        verbose=True
    )
```

```
New https://pypi.org/project/ultralytics/8.2.35 available □ Update with 'pip install -U
ultralytics'
Ultralytics YOLOv8.1.34 □ Python-3.10.12 torch-2.3.0+cu121 CUDA:0 (Tesla T4, 15102MiB)
engine/trainer: task=detect, mode=train, model=yolov10x.yaml, data=/content/extracted_co
ntents/football_players_detection/football_players_detection/data.yaml, epochs=8, time=N
one, patience=50, batch=8, imgsz=640, save=True, save_period=-1, val_period=1, cache=Fal
se, device=0, workers=8, project=None, name=train, exist_ok=False, pretrained=True, opti
mizer=Adam, verbose=True, seed=0, deterministic=True, single_cls=False, rect=False, cos
lr=False, close_mosaic=10, resume=False, amp=True, fraction=1.0, profile=False, freeze=N
one, multi_scale=False, overlap_mask=True, mask_ratio=4, dropout=0.0, val=True, split=va
l, save_json=False, save_hybrid=False, conf=None, iou=0.7, max_det=300, half=False, dnn=
False, plots=True, source=None, vid_stride=1, stream_buffer=False, visualize=False, augm
ent=False, agnostic_nms=False, classes=None, retina_masks=False, embed=None, show=False,
```

```
save_frames=False, save_txt=False, save_conf=False, save_crop=False, show_labels=True,
show_conf=True, show_boxes=True, line_width=None, format=torchscript, keras=False, opti
mize=False, int8=False, dynamic=False, simplify=False, opset=None, workspace=4, nms=Fals
e, lr0=0.01, lrf=0.01, momentum=0.937, weight_decay=0.0005, warmup_epochs=3.0, warmup_mo
mentum=0.8, warmup_bias_lr=0.1, box=7.5, cls=0.5, dfl=1.5, pose=12.0, kobj=1.0, label_sm
oothing=0.0, nbs=64, hsv_h=0.015, hsv_s=0.7, hsv_v=0.4, degrees=0.0, translate=0.1, scal
e=0.5, shear=0.0, perspective=0.0, flipud=0.0,fliplr=0.5, bgr=0.0, mosaic=1.0, mixup=0.
0, copy_paste=0.0, auto_augment=randaugment, erasing=0.4, crop_fraction=1.0, cfg=None, t
racker=botsort.yaml, save_dir=runs/detect/train
Downloading https://ultralytics.com/assets/Arial.ttf to '/root/.config/yolov10/Arial.ttf'...
```

```
100%|██████████| 755k/755k [00:00<00:00, 24.5MB/s]
```

```
Overriding model.yaml nc=80 with nc=2
```

	from	n	params	module	argum
ents					
0	-1	1	2320	ultralytics.nn.modules.conv.Conv	[3, 8
0, 3, 2]					
1	-1	1	115520	ultralytics.nn.modules.conv.Conv	[80,
160, 3, 2]					
2	-1	3	436800	ultralytics.nn.modules.block.C2f	[160,
160, 3, True]					
3	-1	1	461440	ultralytics.nn.modules.conv.Conv	[160,
320, 3, 2]					
4	-1	6	3281920	ultralytics.nn.modules.block.C2f	[320,
320, 6, True]					
5	-1	1	213120	ultralytics.nn.modules.block.SCDown	[320,
640, 3, 2]					
6	-1	6	4604160	ultralytics.nn.modules.block.C2fCIB	[640,
640, 6, True]					
7	-1	1	417920	ultralytics.nn.modules.block.SCDown	[640,
640, 3, 2]					
8	-1	3	2712960	ultralytics.nn.modules.block.C2fCIB	[640,
640, 3, True]					
9	-1	1	1025920	ultralytics.nn.modules.block.SPPF	[640,
640, 5]					
10	-1	1	1545920	ultralytics.nn.modules.block.PSA	[640,
640]					
11	-1	1	0	torch.nn.modules.upsampling.Upsample	[Non
e, 2, 'nearest']					
12	[-1, 6]	1	0	ultralytics.nn.modules.conv.Concat	[1]
13	-1	3	3122560	ultralytics.nn.modules.block.C2fCIB	[128
0, 640, 3, True]					
14	-1	1	0	torch.nn.modules.upsampling.Upsample	[Non
e, 2, 'nearest']					
15	[-1, 4]	1	0	ultralytics.nn.modules.conv.Concat	[1]
16	-1	3	1948800	ultralytics.nn.modules.block.C2f	[960,
320, 3]					
17	-1	1	922240	ultralytics.nn.modules.conv.Conv	[320,
320, 3, 2]					
18	[-1, 13]	1	0	ultralytics.nn.modules.conv.Concat	[1]
19	-1	3	2917760	ultralytics.nn.modules.block.C2fCIB	[960,
640, 3, True]					
20	-1	1	417920	ultralytics.nn.modules.block.SCDown	[640,
640, 3, 2]					
21	[-1, 10]	1	0	ultralytics.nn.modules.conv.Concat	[1]
22	-1	3	3122560	ultralytics.nn.modules.block.C2fCIB	[128
0, 640, 3, True]					
23	[16, 19, 22]	1	4388892	ultralytics.nn.modules.head.v10Detect	[2,
[320, 640, 640]]					

```
YOLOv10x summary: 688 layers, 31658732 parameters, 31658716 gradients, 171.0 GFLOPs
```

**TensorBoard:** Start with 'tensorboard --logdir runs/detect/train', view at http://localhost:6006/

Freezing layer 'model.23.dfl.conv.weight'

**AMP:** running Automatic Mixed Precision (AMP) checks with YOLOv8n...

Downloading https://github.com/ultralytics/assets/releases/download/v8.1.0/yolov8n.pt to 'yolov8n.pt'...

100%|██████████| 6.23M/6.23M [00:00<00:00, 99.1MB/s]

/usr/local/lib/python3.10/dist-packages/torch/nn/modules/conv.py:456: UserWarning: Plan failed with a cudnnException: CUDNN\_BACKEND\_EXECUTION\_PLAN\_DESCRIPTOR: cudnnFinalizeDescriptor Failed cudnn\_status: CUDNN\_STATUS\_NOT\_SUPPORTED (Triggered internally at ../aten/src/ATen/native/cudnn/Conv\_v8.cpp:919.)

return F.conv2d(input, weight, bias, self.stride,

**AMP:** checks passed □

**train:** Scanning /content/extracted\_contents/football\_players\_detection/football\_players\_detection/train/labels... 10308 images, 623 backgrounds, 0 corrupt: 100%|██████████| 10308/10308 [00:21<00:00, 471.86it/s]

**train:** New cache created: /content/extracted\_contents/football\_players\_detection/football\_players\_detection/train/labels.cache

**augmentations:** Blur(p=0.01, blur\_limit=(3, 7)), MedianBlur(p=0.01, blur\_limit=(3, 7)), ToGray(p=0.01), CLAHE(p=0.01, clip\_limit=(1, 4.0), tile\_grid\_size=(8, 8))

/usr/lib/python3.10/multiprocessing/popen\_fork.py:66: RuntimeWarning: os.fork() was called. os.fork() is incompatible with multithreaded code, and JAX is multithreaded, so this will likely lead to a deadlock.

self.pid = os.fork()

**val:** Scanning /content/extracted\_contents/football\_players\_detection/football\_players\_detection/valid/labels... 972 images, 30 backgrounds, 0 corrupt: 100%|██████████| 972/972 [00:02<00:00, 457.37it/s]

**val:** New cache created: /content/extracted\_contents/football\_players\_detection/football\_players\_detection/valid/labels.cache

Plotting labels to runs/detect/train/labels.jpg...

**optimizer:** Adam(lr=0.01, momentum=0.937) with parameter groups 185 weight(decay=0.0), 198 weight(decay=0.0005), 197 bias(decay=0.0)

**TensorBoard:** model graph visualization added □

Image sizes 640 train, 640 val

Using 2 dataloader workers

Logging results to **runs/detect/train**

Starting training for 8 epochs...

Epoch	GPU_mem	box_om	cls_om	dfl_om	box_oo	cls_oo	dfl_oo
Instances	Size						
1/8	10.4G	2.146	1.68	1.787	2.187	2.169	1.738
25	640: 100% ██████████	1289/1289 [15:23<00:00, 1.40it/s]					
	Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:10<00:00, 1.16s/it]					
	all	972	5407	0.607	0.341	0.393	0.183
Epoch	GPU_mem	box_om	cls_om	dfl_om	box_oo	cls_oo	dfl_oo
Instances	Size						
2/8	10.7G	1.699	1.214	1.461	1.828	1.498	1.46
15	640: 100% ██████████	1289/1289 [14:43<00:00, 1.46it/s]					
	Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:07<00:00, 1.11s/it]					
	all	972	5407	0.669	0.507	0.531	0.263
Epoch	GPU_mem	box_om	cls_om	dfl_om	box_oo	cls_oo	dfl_oo
Instances	Size						
3/8	10.7G	1.62	1.118	1.403	1.75	1.349	1.415
9	640: 100% ██████████	1289/1289 [14:32<00:00, 1.48it/s]					
	Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:09<00:00, 1.14s/it]					
	all	972	5407	0.707	0.5	0.549	0.268



Epoch	GPU_mem	box_om	cls_om	df1_om	box_oo	cls_oo	df1_oo
Instances	Size						
4/8	10.7G	1.547	1.031	1.357	1.689	1.219	1.375
43	640: 100% ██████████	1289/1289 [14:32<00:00, 1.48it/s]					
	Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:08<00:00, 1.13s/it]					
	all	972	5407	0.701	0.537	0.566	0.265
Epoch	GPU_mem	box_om	cls_om	df1_om	box_oo	cls_oo	df1_oo
Instances	Size						
5/8	10.6G	1.546	1.018	1.353	1.684	1.193	1.37
22	640: 100% ██████████	1289/1289 [14:28<00:00, 1.48it/s]					
	Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:09<00:00, 1.14s/it]					
	all	972	5407	0.671	0.541	0.576	0.276
Epoch	GPU_mem	box_om	cls_om	df1_om	box_oo	cls_oo	df1_oo
Instances	Size						
6/8	10.7G	1.488	0.9556	1.318	1.619	1.123	1.334
20	640: 100% ██████████	1289/1289 [14:29<00:00, 1.48it/s]					
	Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:09<00:00, 1.14s/it]					
	all	972	5407	0.74	0.537	0.578	0.307
Epoch	GPU_mem	box_om	cls_om	df1_om	box_oo	cls_oo	df1_oo
Instances	Size						
7/8	10.7G	1.458	0.9079	1.297	1.592	1.059	1.311
11	640: 100% ██████████	1289/1289 [14:46<00:00, 1.45it/s]					
	Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:09<00:00, 1.14s/it]					
	all	972	5407	0.776	0.541	0.606	0.328
Epoch	GPU_mem	box_om	cls_om	df1_om	box_oo	cls_oo	df1_oo
Instances	Size						
8/8	10.7G	1.409	0.8582	1.264	1.539	0.9916	1.28
22	640: 100% ██████████	1289/1289 [14:25<00:00, 1.49it/s]					
	Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:09<00:00, 1.14s/it]					
	all	972	5407	0.805	0.597	0.66	0.344

8 epochs completed in 2.159 hours.

Optimizer stripped from runs/detect/train/weights/last.pt, 64.1MB

Optimizer stripped from runs/detect/train/weights/best.pt, 64.1MB

Validating runs/detect/train/weights/best.pt...

Ultralytics YOLOv8.1.34 □ Python-3.10.12 torch-2.3.0+cu121 CUDA:0 (Tesla T4, 15102MiB)

YOLOv10x summary (fused): 503 layers, 31587932 parameters, 0 gradients, 169.8 GFLOPs

Class	Images	Instances	Box(P	R	mAP50	mAP50-9
5): 100% ██████████	61/61	[01:08<00:00, 1.13s/it]				
all	972	5407	0.805	0.597	0.66	0.344
football	972	275	0.75	0.342	0.423	0.18
player	972	5132	0.86	0.852	0.896	0.508

Speed: 0.3ms preprocess, 63.4ms inference, 0.0ms loss, 0.1ms postprocess per image

Results saved to **runs/detect/train**

ultralytics.utils.metrics.DetMetrics object with attributes:

ap\_class\_index: array([0, 1])

box: ultralytics.utils.metrics.Metric object

confusion\_matrix: <ultralytics.utils.metrics.ConfusionMatrix object at 0x7c6a58782ce0>

curves: ['Precision-Recall(B)', 'F1-Confidence(B)', 'Precision-Confidence(B)', 'Recall-Confidence(B)']

curves\_results: [[array([0, 0.001001, 0.002002, 0.003003, 0.004004, 0.005005, 0.006006, 0.007007, 0.008008, 0.009009, 0.01001, 0.011011, 0.012012, 0.013013, 0.014014, 0.015015, 0.016016, 0.017017, 0.018018, 0.019019, 0.02002, 0.021021, 0.022022, 0.023023,

Out[6]:

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	0.037037,	0.038038,	0.039039,	0.04004,	0.041041,	0.042042,
0.04304	0.044044,	0.045045,	0.046046,	0.047047,		
	0.048048,	0.049049,	0.05005,	0.051051,	0.052052,	0.053053,
0.054054,	0.055055,	0.056056,	0.057057,	0.058058,	0.059059,	0.06006,
	0.061061,	0.062062,	0.063063,	0.064064,	0.065065,	0.066066,
0.06706	0.068068,	0.069069,	0.07007,	0.071071,		
	0.072072,	0.073073,	0.074074,	0.075075,	0.076076,	0.077077,
0.078078,	0.079079,	0.08008,	0.081081,	0.082082,	0.083083,	0.084084,
	0.085085,	0.086086,	0.087087,	0.088088,	0.089089,	0.09009,
0.09109	0.092092,	0.093093,	0.094094,	0.095095,		
	0.096096,	0.097097,	0.098098,	0.099099,	0.1001,	0.1011,
	0.1021,	0.1031,	0.1041,	0.10511,	0.10611,	0.10711,
	0.10911,	0.11011,	0.11111,	0.11211,	0.11311,	0.11411,
0.1151	0.11612,	0.11712,	0.11812,	0.11912,		
	0.12012,	0.12112,	0.12212,	0.12312,	0.12412,	0.12513,
0.12613,	0.12713,	0.12813,	0.12913,	0.13013,	0.13113,	0.13213,
	0.13313,	0.13413,	0.13514,	0.13614,	0.13714,	0.13814,
0.1391	0.14014,	0.14114,	0.14214,	0.14314,		
	0.14414,	0.14515,	0.14615,	0.14715,	0.14815,	0.14915,
0.15015,	0.15115,	0.15215,	0.15315,	0.15415,	0.15516,	0.15616,
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0.1631	0.16416,	0.16517,	0.16617,	0.16717,		
	0.16817,	0.16917,	0.17017,	0.17117,	0.17217,	0.17317,
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	0.18118,	0.18218,	0.18318,	0.18418,	0.18519,	0.18619,
0.1871	0.18819,	0.18919,	0.19019,	0.19119,		
	0.19219,	0.19319,	0.19419,	0.1952,	0.1962,	0.1972,
	0.1982,	0.1992,	0.2002,	0.2012,	0.2022,	0.2032,
	0.20521,	0.20621,	0.20721,	0.20821,	0.20921,	0.21021,
0.2112	0.21221,	0.21321,	0.21421,	0.21522,		
	0.21622,	0.21722,	0.21822,	0.21922,	0.22022,	0.22122,
0.22222,	0.22322,	0.22422,	0.22523,	0.22623,	0.22723,	0.22823,
	0.22923,	0.23023,	0.23123,	0.23223,	0.23323,	0.23423,
0.2352	0.23624,	0.23724,	0.23824,	0.23924,		
	0.24024,	0.24124,	0.24224,	0.24324,	0.24424,	0.24525,
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	0.25325,	0.25425,	0.25526,	0.25626,	0.25726,	0.25826,
0.2592	0.26026,	0.26126,	0.26226,	0.26326,		
	0.26426,	0.26527,	0.26627,	0.26727,	0.26827,	0.26927,
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0.2832	0.28428,	0.28529,	0.28629,	0.28729,		
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0.29429,	0.2953,	0.2963,	0.2973,	0.2983,	0.2993,	0.3003,
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	0.36036,	0.36136,	0.36236,	0.36336,	0.36436,	0.36537,
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0.3793	0.38038,	0.38138,	0.38238,	0.38338,		
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5,	0.45245,	0.45345,	0.45445,	0.45546,			
	0.45646,	0.45746,	0.45846,	0.45946,	0.46046,	0.46146,	
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5,	0.45245,	0.45345,	0.45445,	0.45546,			
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	0.46947,	0.47047,	0.47147,	0.47247,	0.47347,	0.47447,	0.4754
8,	0.47648,	0.47748,	0.47848,	0.47948,			
	0.48048,	0.48148,	0.48248,	0.48348,	0.48448,	0.48549,	
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5,	0.5005,	0.5015,	0.5025,	0.5035,			
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2,	0.52452,	0.52553,	0.52653,	0.52753,			
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7,	0.57257,	0.57357,	0.57457,	0.57558,			
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4,	0.64464,	0.64565,	0.64665,	0.64765,			
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9,	0.69269,	0.69369,	0.69469,	0.6957,			
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8,	0.28428,	0.28529,	0.28629,	0.28729,		0.2832
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7,	0.57257,	0.57357,	0.57457,	0.57558,			
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	0.6967,	0.6977,	0.6987,	0.6997,	0.7007,	0.7017,	
0.7027,	0.7037,	0.7047,	0.70571,	0.70671,	0.70771,	0.70871,	
	0.70971,	0.71071,	0.71171,	0.71271,	0.71371,	0.71471,	0.7157
2,	0.71672,	0.71772,	0.71872,	0.71972,			
	0.72072,	0.72172,	0.72272,	0.72372,	0.72472,	0.72573,	
0.72673,	0.72773,	0.72873,	0.72973,	0.73073,	0.73173,	0.73273,	
	0.73373,	0.73473,	0.73574,	0.73674,	0.73774,	0.73874,	0.7397
4,	0.74074,	0.74174,	0.74274,	0.74374,			
	0.74474,	0.74575,	0.74675,	0.74775,	0.74875,	0.74975,	
0.75075,	0.75175,	0.75275,	0.75375,	0.75475,	0.75576,	0.75676,	
	0.75776,	0.75876,	0.75976,	0.76076,	0.76176,	0.76276,	0.7637
6,	0.76476,	0.76577,	0.76677,	0.76777,			
	0.76877,	0.76977,	0.77077,	0.77177,	0.77277,	0.77377,	
0.77477,	0.77578,	0.77678,	0.77778,	0.77878,	0.77978,	0.78078,	
	0.78178,	0.78278,	0.78378,	0.78478,	0.78579,	0.78679,	0.7877
9,	0.78879,	0.78979,	0.79079,	0.79179,			
	0.79279,	0.79379,	0.79479,	0.7958,	0.7968,	0.7978,	
0.7988,	0.7998,	0.8008,	0.8018,	0.8028,	0.8038,	0.8048,	
	0.80581,	0.80681,	0.80781,	0.80881,	0.80981,	0.81081,	0.8118
1,	0.81281,	0.81381,	0.81481,	0.81582,			
	0.81682,	0.81782,	0.81882,	0.81982,	0.82082,	0.82182,	
0.82282,	0.82382,	0.82482,	0.82583,	0.82683,	0.82783,	0.82883,	
	0.82983,	0.83083,	0.83183,	0.83283,	0.83383,	0.83483,	0.8358
4,	0.83684,	0.83784,	0.83884,	0.83984,			
	0.84084,	0.84184,	0.84284,	0.84384,	0.84484,	0.84585,	
0.84685,	0.84785,	0.84885,	0.84985,	0.85085,	0.85185,	0.85285,	
	0.85385,	0.85485,	0.85586,	0.85686,	0.85786,	0.85886,	0.8598
6,	0.86086,	0.86186,	0.86286,	0.86386,			
	0.86486,	0.86587,	0.86687,	0.86787,	0.86887,	0.86987,	
0.87087,	0.87187,	0.87287,	0.87387,	0.87487,	0.87588,	0.87688,	
	0.87788,	0.87888,	0.87988,	0.88088,	0.88188,	0.88288,	0.8838
8,	0.88488,	0.88589,	0.88689,	0.88789,			
	0.88889,	0.88989,	0.89089,	0.89189,	0.89289,	0.89389,	
0.89489,	0.8959,	0.8969,	0.8979,	0.8989,	0.8999,	0.9009,	
	0.9019,	0.9029,	0.9039,	0.9049,	0.90591,	0.90691,	0.9079
1,	0.90891,	0.90991,	0.91091,	0.91191,			
	0.91291,	0.91391,	0.91491,	0.91592,	0.91692,	0.91792,	
0.91892,	0.91992,	0.92092,	0.92192,	0.92292,	0.92392,	0.92492,	
	0.92593,	0.92693,	0.92793,	0.92893,	0.92993,	0.93093,	0.9319
3,	0.93293,	0.93393,	0.93493,	0.93594,			

```

0.93694, 0.93794, 0.93894, 0.93994, 0.94094, 0.94194,
0.94294, 0.94394, 0.94494, 0.94595, 0.94695, 0.94795, 0.94895,
0.94995, 0.95095, 0.95195, 0.95295, 0.95395, 0.95495, 0.9559
6, 0.95696, 0.95796, 0.95896, 0.95996,
0.96096, 0.96196, 0.96296, 0.96396, 0.96496, 0.96597,
0.96697, 0.96797, 0.96897, 0.96997, 0.97097, 0.97197, 0.97297,
0.97397, 0.97497, 0.97598, 0.97698, 0.97798, 0.97898, 0.9799
8, 0.98098, 0.98198, 0.98298, 0.98398,
0.98498, 0.98599, 0.98699, 0.98799, 0.98899, 0.98999,
0.99099, 0.99199, 0.99299, 0.99399, 0.99499, 0.996, 0.997,
0.998, 0.999, 1]], array([[ 0.71273, 0.69455, 0.67273,
..., 0, 0, 0],
[ 0.96512, 0.95168, 0.947, ..., 0, 0,
0]]), 'Confidence', 'Recall'])
fitness: 0.3756522299219187
keys: ['metrics/precision(B)', 'metrics/recall(B)', 'metrics/mAP50(B)', 'metrics/mAP50-95(B)']
maps: array([ 0.18034, 0.50785])
names: {0: 'football', 1: 'player'}
plot: True
results_dict: {'metrics/precision(B)': 0.8046776234296364, 'metrics/recall(B)': 0.5966690285552327, 'metrics/mAP50(B)': 0.6596894735034484, 'metrics/mAP50-95(B)': 0.3440925361906376, 'fitness': 0.3756522299219187}
save_dir: PosixPath('runs/detect/train')
speed: {'preprocess': 0.2799819035785189, 'inference': 63.39147233178095, 'loss': 0.001163149076234166, 'postprocess': 0.12986061504348317}
task: 'detect'

```

## Save The Model

```
In [21]: state_dict = model.model.state_dict()
```

```
In [23]: import torch
```

```
In [24]: torch.save(state_dict, "yolov10_trained_state_dict.pt")
```

## visulize true labels and predicted labels

```
In [37]: import matplotlib.pyplot as plt
true_labels_path = "/content/runs/detect/train/val_batch1_labels.jpg"
pred_labels_path = "/content/runs/detect/train/val_batch1_pred.jpg"

image_true_loaded = cv2.imread(true_labels_path)
image_pred_loaded = cv2.imread(pred_labels_path)

image_true_loaded = cv2.cvtColor(image_true_loaded, cv2.COLOR_BGR2RGB)
image_pred_loaded = cv2.cvtColor(image_pred_loaded, cv2.COLOR_BGR2RGB)

plt.figure(figsize=(10, 5))

plt.subplot(1, 2, 1)
plt.imshow(image_true_loaded)
plt.title('True Labels')
plt.axis('off')

plt.subplot(1, 2, 2)
plt.imshow(image_pred_loaded)
```

```
plt.title('Predicted Labels')
plt.axis('off')

plt.show()
```



## Test Random Image

```
In [38]: import cv2
import numpy as np
from google.colab.patches import cv2_imshow
```

```
In [39]: image_path = "/content/extracted_contents/football_players_detection/football_players_de
image = cv2.imread(image_path)
```

```
In [40]: resized_image = cv2.resize(image, (640, 640))
```

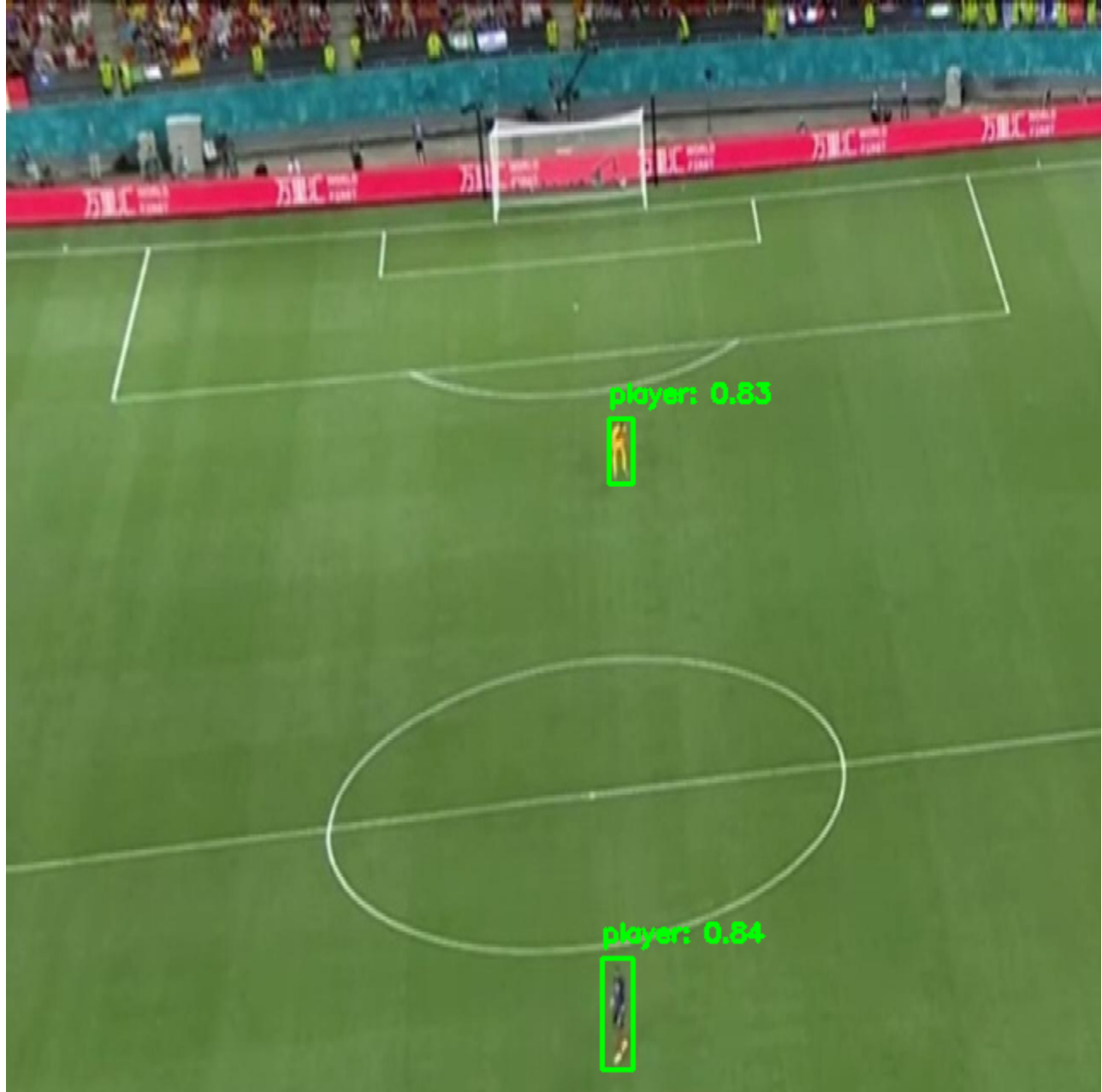
```
In [41]: results = model.predict(resized_image)
```

```
0: 640x640 2 players, 80.9ms
Speed: 2.3ms preprocess, 80.9ms inference, 1.8ms postprocess per image at shape (1, 3, 640, 640)
```

```
In [42]: boxes = results[0].boxes.xyxy # Bounding box coordinates
scores = results[0].boxes.conf # Confidence scores
class_ids = results[0].boxes.cls # Class IDs
labels = [results[0].names[int(cls)] for cls in class_ids] # Class labels
```

```
In [43]: # Draw boxes and labels on the image
for box, score, label in zip(boxes, scores, labels):
    x1, y1, x2, y2 = map(int, box)
    cv2.rectangle(resized_image, (x1, y1), (x2, y2), (0, 255, 0), 2)
    text = f"{label}: {score:.2f}"
    cv2.putText(resized_image, text, (x1, y1 - 10), cv2.FONT_HERSHEY_SIMPLEX, 0.5, (0, 2
```

```
In [44]: from google.colab.patches import cv2_imshow
cv2_imshow(resized_image)
```



## Test The Video

```
In [67]: import os
```

```
In [68]: video_path = "/content/extracted_contents/video.mp4"  
video = cv2.VideoCapture(video_path)
```

```
In [69]: frame_width = int(video.get(cv2.CAP_PROP_FRAME_WIDTH))  
frame_height = int(video.get(cv2.CAP_PROP_FRAME_HEIGHT))  
fps = int(video.get(cv2.CAP_PROP_FPS))
```

```
In [70]: output_dir = "/content/"  
output_path = os.path.join(output_dir, "output_video.mp4")
```

```
In [71]: os.makedirs(output_dir, exist_ok=True)
```

```
In [72]: if not os.access(output_dir, os.W_OK):  
         raise PermissionError(f"No write permission for the directory: {output_dir}")
```

```
fourcc = cv2.VideoWriter_fourcc(*'mp4v')
```

```
In [73]: out = cv2.VideoWriter(output_path, fourcc, fps, (frame_width, frame_height))
```

```
In [74]: if not out.isOpened():  
         raise IOError(f"Could not open the output video file: {output_path}")
```

```
In [75]: while video.isOpened():  
         ret, frame = video.read()  
         if not ret:  
             break  
  
         # Run prediction on the frame  
         results = model.predict(frame)  
  
         # Process results  
         boxes = results[0].boxes.xyxy.cpu().numpy() # Extract bounding boxes  
         scores = results[0].boxes.conf.cpu().numpy() # Extract confidence scores  
         labels = results[0].boxes.cls.cpu().numpy() # Extract class IDs  
         names = model.names # Access the class names from the model  
  
         # Draw boxes and labels on the frame  
         for box, score, label in zip(boxes, scores, labels):  
             x1, y1, x2, y2 = map(int, box)  
             label_name = names[int(label)]  
             cv2.rectangle(frame, (x1, y1), (x2, y2), (0, 255, 0), 2)  
             text = f"{label_name}: {score:.2f}"  
             cv2.putText(frame, text, (x1, y1 - 10), cv2.FONT_HERSHEY_SIMPLEX, 0.5, (0, 255,  
  
         # Write the frame to the output video  
         out.write(frame)
```

0: 384x640 16 players, 49.3ms

Speed: 3.0ms preprocess, 49.3ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 48.9ms

Speed: 3.9ms preprocess, 48.9ms inference, 2.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 48.9ms

Speed: 1.8ms preprocess, 48.9ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 41.2ms

Speed: 1.8ms preprocess, 41.2ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 44.8ms

Speed: 2.7ms preprocess, 44.8ms inference, 2.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 38.1ms

Speed: 1.8ms preprocess, 38.1ms inference, 1.8ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 8 players, 35.4ms

Speed: 1.8ms preprocess, 35.4ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 35.4ms

Speed: 1.9ms preprocess, 35.4ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 31.8ms

Speed: 2.0ms preprocess, 31.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)



0: 384x640 1 football, 9 players, 36.5ms  
Speed: 2.0ms preprocess, 36.5ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 9 players, 37.5ms  
Speed: 1.8ms preprocess, 37.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 12 players, 28.1ms  
Speed: 2.6ms preprocess, 28.1ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 11 players, 25.0ms  
Speed: 1.7ms preprocess, 25.0ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 26.0ms  
Speed: 1.8ms preprocess, 26.0ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 10 players, 26.4ms  
Speed: 1.8ms preprocess, 26.4ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 26.8ms  
Speed: 1.8ms preprocess, 26.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 6 players, 26.1ms  
Speed: 1.8ms preprocess, 26.1ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 26.5ms  
Speed: 1.8ms preprocess, 26.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 2 footballs, 7 players, 28.6ms  
Speed: 1.7ms preprocess, 28.6ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 8 players, 33.4ms  
Speed: 1.7ms preprocess, 33.4ms inference, 2.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 3 footballs, 7 players, 30.3ms  
Speed: 1.8ms preprocess, 30.3ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 2 footballs, 6 players, 31.4ms  
Speed: 2.2ms preprocess, 31.4ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 3 players, 43.3ms  
Speed: 1.9ms preprocess, 43.3ms inference, 3.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 3 players, 47.2ms  
Speed: 1.9ms preprocess, 47.2ms inference, 2.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 5 players, 37.4ms  
Speed: 3.6ms preprocess, 37.4ms inference, 1.9ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 5 players, 34.8ms

Speed: 1.7ms preprocess, 34.8ms inference, 2.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 5 players, 35.4ms  
Speed: 1.8ms preprocess, 35.4ms inference, 4.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 10 players, 38.2ms  
Speed: 1.8ms preprocess, 38.2ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 2 footballs, 3 players, 35.2ms  
Speed: 1.9ms preprocess, 35.2ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 2 footballs, 3 players, 33.1ms  
Speed: 2.0ms preprocess, 33.1ms inference, 1.8ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 7 players, 35.2ms  
Speed: 2.0ms preprocess, 35.2ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 2 players, 31.5ms  
Speed: 1.9ms preprocess, 31.5ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 3 players, 24.5ms  
Speed: 1.8ms preprocess, 24.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 5 players, 25.1ms  
Speed: 1.7ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 2 footballs, 5 players, 24.2ms  
Speed: 1.5ms preprocess, 24.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 11 players, 25.2ms  
Speed: 2.2ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 6 players, 26.8ms  
Speed: 1.6ms preprocess, 26.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.9ms  
Speed: 4.6ms preprocess, 25.9ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 25.9ms  
Speed: 1.9ms preprocess, 25.9ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 30.3ms  
Speed: 1.9ms preprocess, 30.3ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.6ms  
Speed: 1.8ms preprocess, 25.6ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 24.8ms  
Speed: 2.1ms preprocess, 24.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.0ms  
Speed: 1.7ms preprocess, 25.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.4ms  
Speed: 1.7ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.2ms  
Speed: 1.6ms preprocess, 25.2ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.7ms  
Speed: 4.6ms preprocess, 24.7ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.7ms  
Speed: 1.9ms preprocess, 24.7ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.8ms  
Speed: 2.4ms preprocess, 24.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 24.8ms  
Speed: 1.7ms preprocess, 24.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 24.4ms  
Speed: 1.4ms preprocess, 24.4ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.2ms  
Speed: 1.6ms preprocess, 25.2ms inference, 2.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.2ms  
Speed: 2.2ms preprocess, 25.2ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.4ms  
Speed: 1.6ms preprocess, 24.4ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.5ms  
Speed: 2.4ms preprocess, 25.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.1ms  
Speed: 1.5ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.4ms  
Speed: 2.4ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.1ms  
Speed: 1.4ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 24.8ms  
Speed: 2.2ms preprocess, 24.8ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.1ms

Speed: 1.9ms preprocess, 25.1ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 26.3ms  
Speed: 2.7ms preprocess, 26.3ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.3ms  
Speed: 2.0ms preprocess, 25.3ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.1ms  
Speed: 2.1ms preprocess, 25.1ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 27.1ms  
Speed: 2.3ms preprocess, 27.1ms inference, 1.8ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 24.6ms  
Speed: 1.7ms preprocess, 24.6ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 27.2ms  
Speed: 1.7ms preprocess, 27.2ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.6ms  
Speed: 1.6ms preprocess, 24.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 24.2ms  
Speed: 2.2ms preprocess, 24.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.2ms  
Speed: 1.9ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.6ms  
Speed: 1.5ms preprocess, 25.6ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 24.5ms  
Speed: 1.7ms preprocess, 24.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.7ms  
Speed: 1.8ms preprocess, 25.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.5ms  
Speed: 2.3ms preprocess, 25.5ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.6ms  
Speed: 2.3ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.0ms  
Speed: 2.3ms preprocess, 25.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.2ms  
Speed: 2.4ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.2ms  
Speed: 2.1ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.3ms  
Speed: 2.1ms preprocess, 25.3ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.3ms  
Speed: 1.9ms preprocess, 25.3ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.6ms  
Speed: 2.1ms preprocess, 24.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.5ms  
Speed: 2.5ms preprocess, 25.5ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 36.0ms  
Speed: 1.8ms preprocess, 36.0ms inference, 1.8ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 23.9ms  
Speed: 2.7ms preprocess, 23.9ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 27.2ms  
Speed: 1.9ms preprocess, 27.2ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 24.6ms  
Speed: 4.5ms preprocess, 24.6ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 28.0ms  
Speed: 5.8ms preprocess, 28.0ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 26.3ms  
Speed: 1.5ms preprocess, 26.3ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.6ms  
Speed: 2.5ms preprocess, 24.6ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.0ms  
Speed: 1.7ms preprocess, 25.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.3ms  
Speed: 1.5ms preprocess, 25.3ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.8ms  
Speed: 2.0ms preprocess, 25.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 30.3ms  
Speed: 1.5ms preprocess, 30.3ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 24.4ms

Speed: 2.1ms preprocess, 24.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.3ms  
Speed: 2.3ms preprocess, 25.3ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.2ms  
Speed: 2.3ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.2ms  
Speed: 1.9ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.7ms  
Speed: 1.9ms preprocess, 24.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.5ms  
Speed: 2.3ms preprocess, 25.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 25.2ms  
Speed: 1.7ms preprocess, 25.2ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.3ms  
Speed: 1.5ms preprocess, 25.3ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.6ms  
Speed: 1.9ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 26.1ms  
Speed: 1.7ms preprocess, 26.1ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.4ms  
Speed: 2.8ms preprocess, 25.4ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.2ms  
Speed: 2.2ms preprocess, 25.2ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.9ms  
Speed: 2.0ms preprocess, 25.9ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.3ms  
Speed: 1.7ms preprocess, 25.3ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 25.1ms  
Speed: 2.6ms preprocess, 25.1ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 24.7ms  
Speed: 1.8ms preprocess, 24.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 25.6ms  
Speed: 1.8ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)



0: 384x640 12 players, 25.4ms  
Speed: 1.6ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.0ms  
Speed: 2.2ms preprocess, 25.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 24.8ms  
Speed: 1.6ms preprocess, 24.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.6ms  
Speed: 1.5ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 25.8ms  
Speed: 1.8ms preprocess, 25.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.5ms  
Speed: 1.8ms preprocess, 24.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.0ms  
Speed: 1.6ms preprocess, 25.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.4ms  
Speed: 2.0ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 25.6ms  
Speed: 2.6ms preprocess, 25.6ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 24.4ms  
Speed: 2.5ms preprocess, 24.4ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.1ms  
Speed: 1.6ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.3ms  
Speed: 1.5ms preprocess, 25.3ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.1ms  
Speed: 2.3ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 24.4ms  
Speed: 2.3ms preprocess, 24.4ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 29.0ms  
Speed: 1.9ms preprocess, 29.0ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 26.1ms  
Speed: 1.8ms preprocess, 26.1ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 25.4ms

Speed: 1.9ms preprocess, 25.4ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 25.1ms  
Speed: 3.5ms preprocess, 25.1ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 26.2ms  
Speed: 1.9ms preprocess, 26.2ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 26.9ms  
Speed: 2.3ms preprocess, 26.9ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 26.9ms  
Speed: 1.9ms preprocess, 26.9ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.7ms  
Speed: 1.9ms preprocess, 24.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.2ms  
Speed: 1.9ms preprocess, 25.2ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 25.7ms  
Speed: 2.0ms preprocess, 25.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.1ms  
Speed: 2.2ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.5ms  
Speed: 2.6ms preprocess, 24.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.5ms  
Speed: 2.1ms preprocess, 25.5ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.9ms  
Speed: 1.9ms preprocess, 24.9ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.2ms  
Speed: 1.9ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 26.0ms  
Speed: 1.9ms preprocess, 26.0ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.7ms  
Speed: 1.8ms preprocess, 25.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.8ms  
Speed: 1.8ms preprocess, 25.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.5ms  
Speed: 1.8ms preprocess, 25.5ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 24.6ms  
Speed: 2.2ms preprocess, 24.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.2ms  
Speed: 1.7ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 31.5ms  
Speed: 1.6ms preprocess, 31.5ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 25.8ms  
Speed: 1.9ms preprocess, 25.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.3ms  
Speed: 5.1ms preprocess, 25.3ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 24.5ms  
Speed: 3.1ms preprocess, 24.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 29.7ms  
Speed: 1.7ms preprocess, 29.7ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.4ms  
Speed: 2.1ms preprocess, 25.4ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.4ms  
Speed: 2.7ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.5ms  
Speed: 1.9ms preprocess, 24.5ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.2ms  
Speed: 1.6ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 25.8ms  
Speed: 1.9ms preprocess, 25.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 24.6ms  
Speed: 1.6ms preprocess, 24.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.2ms  
Speed: 2.6ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.6ms  
Speed: 1.8ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 28.2ms  
Speed: 1.5ms preprocess, 28.2ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 24.8ms

Speed: 1.8ms preprocess, 24.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.8ms  
Speed: 1.8ms preprocess, 25.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.7ms  
Speed: 1.6ms preprocess, 25.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 24.4ms  
Speed: 1.6ms preprocess, 24.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.2ms  
Speed: 1.5ms preprocess, 25.2ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.5ms  
Speed: 1.8ms preprocess, 25.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.4ms  
Speed: 1.8ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 25.9ms  
Speed: 1.8ms preprocess, 25.9ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.5ms  
Speed: 2.0ms preprocess, 25.5ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.8ms  
Speed: 1.8ms preprocess, 25.8ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 30.4ms  
Speed: 3.1ms preprocess, 30.4ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.0ms  
Speed: 3.0ms preprocess, 24.0ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.0ms  
Speed: 4.0ms preprocess, 24.0ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 26.9ms  
Speed: 2.1ms preprocess, 26.9ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.2ms  
Speed: 3.6ms preprocess, 24.2ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 15 players, 25.3ms  
Speed: 1.8ms preprocess, 25.3ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 13 players, 25.5ms  
Speed: 1.8ms preprocess, 25.5ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.0ms  
Speed: 1.6ms preprocess, 25.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 24.4ms  
Speed: 1.7ms preprocess, 24.4ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.5ms  
Speed: 1.7ms preprocess, 25.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.1ms  
Speed: 1.4ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 27.1ms  
Speed: 2.6ms preprocess, 27.1ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 16 players, 24.7ms  
Speed: 1.7ms preprocess, 24.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 16 players, 25.5ms  
Speed: 1.8ms preprocess, 25.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.2ms  
Speed: 1.8ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.2ms  
Speed: 1.9ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.8ms  
Speed: 2.3ms preprocess, 25.8ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.1ms  
Speed: 2.0ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.8ms  
Speed: 2.1ms preprocess, 24.8ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 28.9ms  
Speed: 2.0ms preprocess, 28.9ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 27.0ms  
Speed: 1.9ms preprocess, 27.0ms inference, 3.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.3ms  
Speed: 3.5ms preprocess, 25.3ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 26.8ms  
Speed: 2.0ms preprocess, 26.8ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.9ms

Speed: 1.8ms preprocess, 24.9ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 24.4ms  
Speed: 1.8ms preprocess, 24.4ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.8ms  
Speed: 1.9ms preprocess, 25.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 25.1ms  
Speed: 1.7ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.2ms  
Speed: 1.7ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.5ms  
Speed: 1.5ms preprocess, 25.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.7ms  
Speed: 1.9ms preprocess, 25.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.3ms  
Speed: 1.9ms preprocess, 25.3ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.8ms  
Speed: 1.8ms preprocess, 25.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 23 players, 26.0ms  
Speed: 1.8ms preprocess, 26.0ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 24.1ms  
Speed: 1.8ms preprocess, 24.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 25.5ms  
Speed: 1.8ms preprocess, 25.5ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.8ms  
Speed: 2.4ms preprocess, 25.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.1ms  
Speed: 2.4ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 14 players, 25.1ms  
Speed: 1.6ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 15 players, 25.7ms  
Speed: 1.8ms preprocess, 25.7ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 9 players, 25.7ms  
Speed: 1.7ms preprocess, 25.7ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)



0: 384x640 11 players, 25.1ms  
Speed: 3.0ms preprocess, 25.1ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.0ms  
Speed: 1.8ms preprocess, 25.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.1ms  
Speed: 2.8ms preprocess, 25.1ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 26.8ms  
Speed: 2.7ms preprocess, 26.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 11 players, 25.4ms  
Speed: 3.9ms preprocess, 25.4ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 12 players, 26.1ms  
Speed: 1.9ms preprocess, 26.1ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.4ms  
Speed: 1.8ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 24.9ms  
Speed: 1.8ms preprocess, 24.9ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.7ms  
Speed: 1.9ms preprocess, 25.7ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.3ms  
Speed: 2.3ms preprocess, 25.3ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.0ms  
Speed: 1.9ms preprocess, 25.0ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.7ms  
Speed: 1.9ms preprocess, 25.7ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.3ms  
Speed: 1.7ms preprocess, 25.3ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.2ms  
Speed: 2.1ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 30.2ms  
Speed: 4.2ms preprocess, 30.2ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 24.5ms  
Speed: 2.2ms preprocess, 24.5ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 24.0ms

Speed: 1.6ms preprocess, 24.0ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.2ms  
Speed: 2.4ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 26.1ms  
Speed: 2.1ms preprocess, 26.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.1ms  
Speed: 2.0ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 30.7ms  
Speed: 2.1ms preprocess, 30.7ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.3ms  
Speed: 2.7ms preprocess, 25.3ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 26.0ms  
Speed: 1.8ms preprocess, 26.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 28.2ms  
Speed: 2.0ms preprocess, 28.2ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 26.7ms  
Speed: 2.1ms preprocess, 26.7ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 26.0ms  
Speed: 1.7ms preprocess, 26.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.1ms  
Speed: 1.8ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 24.8ms  
Speed: 1.7ms preprocess, 24.8ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.3ms  
Speed: 1.6ms preprocess, 25.3ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 10 players, 25.6ms  
Speed: 1.9ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.9ms  
Speed: 2.0ms preprocess, 24.9ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.0ms  
Speed: 1.7ms preprocess, 25.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.4ms  
Speed: 1.9ms preprocess, 25.4ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 26.0ms  
Speed: 1.8ms preprocess, 26.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.4ms  
Speed: 1.8ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 25.6ms  
Speed: 3.3ms preprocess, 25.6ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.7ms  
Speed: 4.2ms preprocess, 25.7ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 27.1ms  
Speed: 1.9ms preprocess, 27.1ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 27.4ms  
Speed: 1.8ms preprocess, 27.4ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 27.8ms  
Speed: 1.9ms preprocess, 27.8ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 31.7ms  
Speed: 1.9ms preprocess, 31.7ms inference, 2.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 35.1ms  
Speed: 1.9ms preprocess, 35.1ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 32.9ms  
Speed: 1.9ms preprocess, 32.9ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 34.6ms  
Speed: 1.8ms preprocess, 34.6ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 38.9ms  
Speed: 2.8ms preprocess, 38.9ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 36.6ms  
Speed: 1.9ms preprocess, 36.6ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 36.8ms  
Speed: 1.9ms preprocess, 36.8ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 30.6ms  
Speed: 1.8ms preprocess, 30.6ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.4ms  
Speed: 1.8ms preprocess, 24.4ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.4ms

Speed: 1.7ms preprocess, 24.4ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 24.7ms  
Speed: 1.9ms preprocess, 24.7ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 27.0ms  
Speed: 1.7ms preprocess, 27.0ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.2ms  
Speed: 1.8ms preprocess, 25.2ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 28.7ms  
Speed: 1.8ms preprocess, 28.7ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 8 players, 30.6ms  
Speed: 2.0ms preprocess, 30.6ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 23.9ms  
Speed: 1.8ms preprocess, 23.9ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 24.3ms  
Speed: 1.8ms preprocess, 24.3ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 27.5ms  
Speed: 1.6ms preprocess, 27.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 33.6ms  
Speed: 1.8ms preprocess, 33.6ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 31.7ms  
Speed: 1.9ms preprocess, 31.7ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 31.7ms  
Speed: 1.8ms preprocess, 31.7ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 8 players, 30.3ms  
Speed: 1.9ms preprocess, 30.3ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 8 players, 27.1ms  
Speed: 1.9ms preprocess, 27.1ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 10 players, 33.3ms  
Speed: 2.1ms preprocess, 33.3ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 12 players, 24.5ms  
Speed: 1.9ms preprocess, 24.5ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 27.1ms  
Speed: 1.9ms preprocess, 27.1ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 26.8ms  
Speed: 1.7ms preprocess, 26.8ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 25.0ms  
Speed: 1.7ms preprocess, 25.0ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.2ms  
Speed: 1.7ms preprocess, 25.2ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 24.6ms  
Speed: 1.7ms preprocess, 24.6ms inference, 2.8ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.6ms  
Speed: 1.8ms preprocess, 25.6ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 31.2ms  
Speed: 1.9ms preprocess, 31.2ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.3ms  
Speed: 1.8ms preprocess, 25.3ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 31.9ms  
Speed: 1.8ms preprocess, 31.9ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 35.1ms  
Speed: 1.8ms preprocess, 35.1ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 11 players, 28.0ms  
Speed: 2.1ms preprocess, 28.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.6ms  
Speed: 1.8ms preprocess, 25.6ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 30.4ms  
Speed: 2.9ms preprocess, 30.4ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 48.6ms  
Speed: 3.0ms preprocess, 48.6ms inference, 2.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 31.6ms  
Speed: 6.9ms preprocess, 31.6ms inference, 2.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 33.4ms  
Speed: 2.0ms preprocess, 33.4ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 29.5ms  
Speed: 1.8ms preprocess, 29.5ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 32.5ms

Speed: 2.1ms preprocess, 32.5ms inference, 1.9ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 28.8ms  
Speed: 1.8ms preprocess, 28.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 27.0ms  
Speed: 1.7ms preprocess, 27.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 10 players, 27.1ms  
Speed: 1.8ms preprocess, 27.1ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 26.4ms  
Speed: 1.8ms preprocess, 26.4ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 26.4ms  
Speed: 1.8ms preprocess, 26.4ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 26.5ms  
Speed: 1.8ms preprocess, 26.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 29.8ms  
Speed: 1.9ms preprocess, 29.8ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 32.9ms  
Speed: 1.7ms preprocess, 32.9ms inference, 2.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 11 players, 26.0ms  
Speed: 2.4ms preprocess, 26.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 12 players, 28.8ms  
Speed: 1.7ms preprocess, 28.8ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 30.3ms  
Speed: 1.9ms preprocess, 30.3ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 41.3ms  
Speed: 3.1ms preprocess, 41.3ms inference, 2.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 33.7ms  
Speed: 2.0ms preprocess, 33.7ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 46.1ms  
Speed: 2.4ms preprocess, 46.1ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 26.4ms  
Speed: 1.8ms preprocess, 26.4ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 26.3ms  
Speed: 1.7ms preprocess, 26.3ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 33.7ms  
Speed: 2.6ms preprocess, 33.7ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 25.9ms  
Speed: 2.1ms preprocess, 25.9ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 26.7ms  
Speed: 1.8ms preprocess, 26.7ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 28.0ms  
Speed: 3.1ms preprocess, 28.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 27.9ms  
Speed: 1.8ms preprocess, 27.9ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 14 players, 26.5ms  
Speed: 2.0ms preprocess, 26.5ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 10 players, 26.5ms  
Speed: 1.9ms preprocess, 26.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 11 players, 26.5ms  
Speed: 1.9ms preprocess, 26.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 26.3ms  
Speed: 1.7ms preprocess, 26.3ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 31.9ms  
Speed: 1.8ms preprocess, 31.9ms inference, 3.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 36.0ms  
Speed: 4.2ms preprocess, 36.0ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 33.4ms  
Speed: 1.8ms preprocess, 33.4ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 26.8ms  
Speed: 1.8ms preprocess, 26.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 33.9ms  
Speed: 2.0ms preprocess, 33.9ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 14 players, 34.1ms  
Speed: 1.9ms preprocess, 34.1ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 9 players, 35.2ms  
Speed: 2.0ms preprocess, 35.2ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 11 players, 31.5ms

Speed: 1.8ms preprocess, 31.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 9 players, 35.0ms  
Speed: 2.0ms preprocess, 35.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 27.9ms  
Speed: 1.8ms preprocess, 27.9ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 26.5ms  
Speed: 1.7ms preprocess, 26.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 27.9ms  
Speed: 1.7ms preprocess, 27.9ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 26.1ms  
Speed: 1.8ms preprocess, 26.1ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 26.1ms  
Speed: 1.8ms preprocess, 26.1ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 25.8ms  
Speed: 1.8ms preprocess, 25.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 27.8ms  
Speed: 1.7ms preprocess, 27.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 30.5ms  
Speed: 1.9ms preprocess, 30.5ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 15 players, 25.5ms  
Speed: 3.4ms preprocess, 25.5ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 12 players, 27.1ms  
Speed: 1.8ms preprocess, 27.1ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 44.1ms  
Speed: 4.0ms preprocess, 44.1ms inference, 1.8ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 34.0ms  
Speed: 1.9ms preprocess, 34.0ms inference, 1.8ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 38.0ms  
Speed: 4.0ms preprocess, 38.0ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 13 players, 32.8ms  
Speed: 5.5ms preprocess, 32.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 30.9ms  
Speed: 2.0ms preprocess, 30.9ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)



0: 384x640 1 football, 13 players, 26.0ms  
Speed: 3.4ms preprocess, 26.0ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 12 players, 34.8ms  
Speed: 1.8ms preprocess, 34.8ms inference, 1.9ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 27.6ms  
Speed: 2.0ms preprocess, 27.6ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 25.9ms  
Speed: 3.5ms preprocess, 25.9ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 14 players, 26.8ms  
Speed: 2.0ms preprocess, 26.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 15 players, 28.6ms  
Speed: 1.8ms preprocess, 28.6ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 16 players, 26.3ms  
Speed: 3.4ms preprocess, 26.3ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 25.9ms  
Speed: 3.5ms preprocess, 25.9ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 27.4ms  
Speed: 3.3ms preprocess, 27.4ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 29.2ms  
Speed: 2.1ms preprocess, 29.2ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 27.3ms  
Speed: 1.8ms preprocess, 27.3ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 33.6ms  
Speed: 2.3ms preprocess, 33.6ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 17 players, 52.9ms  
Speed: 5.9ms preprocess, 52.9ms inference, 3.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 45.7ms  
Speed: 4.1ms preprocess, 45.7ms inference, 1.8ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 23 players, 39.5ms  
Speed: 2.2ms preprocess, 39.5ms inference, 2.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 35.1ms  
Speed: 2.3ms preprocess, 35.1ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 30.6ms

Speed: 4.7ms preprocess, 30.6ms inference, 1.7ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 34.4ms  
Speed: 1.8ms preprocess, 34.4ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 27.8ms  
Speed: 1.7ms preprocess, 27.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 18 players, 28.4ms  
Speed: 1.7ms preprocess, 28.4ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 27.0ms  
Speed: 1.8ms preprocess, 27.0ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 21 players, 27.6ms  
Speed: 2.0ms preprocess, 27.6ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 11 players, 26.4ms  
Speed: 1.8ms preprocess, 26.4ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 2 footballs, 18 players, 25.7ms  
Speed: 2.1ms preprocess, 25.7ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 16 players, 26.4ms  
Speed: 2.0ms preprocess, 26.4ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 30.5ms  
Speed: 1.7ms preprocess, 30.5ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 18 players, 31.1ms  
Speed: 3.8ms preprocess, 31.1ms inference, 2.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 13 players, 32.1ms  
Speed: 1.9ms preprocess, 32.1ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 36.1ms  
Speed: 2.0ms preprocess, 36.1ms inference, 1.9ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 35.0ms  
Speed: 1.8ms preprocess, 35.0ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 26.9ms  
Speed: 1.8ms preprocess, 26.9ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 27.1ms  
Speed: 1.9ms preprocess, 27.1ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 16 players, 31.5ms  
Speed: 1.7ms preprocess, 31.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 2 footballs, 13 players, 36.7ms  
Speed: 1.7ms preprocess, 36.7ms inference, 2.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 17 players, 27.3ms  
Speed: 1.8ms preprocess, 27.3ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 20 players, 25.8ms  
Speed: 1.8ms preprocess, 25.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 28.8ms  
Speed: 1.9ms preprocess, 28.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 28.8ms  
Speed: 1.8ms preprocess, 28.8ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 18 players, 27.0ms  
Speed: 2.1ms preprocess, 27.0ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 17 players, 27.6ms  
Speed: 2.1ms preprocess, 27.6ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 18 players, 27.4ms  
Speed: 2.0ms preprocess, 27.4ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 18 players, 32.7ms  
Speed: 1.8ms preprocess, 32.7ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 15 players, 44.0ms  
Speed: 2.1ms preprocess, 44.0ms inference, 3.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 57.5ms  
Speed: 1.9ms preprocess, 57.5ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.4ms  
Speed: 1.9ms preprocess, 25.4ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 25.5ms  
Speed: 1.7ms preprocess, 25.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 31.6ms  
Speed: 1.9ms preprocess, 31.6ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 20 players, 25.2ms  
Speed: 1.8ms preprocess, 25.2ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 20 players, 24.8ms  
Speed: 1.9ms preprocess, 24.8ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 20 players, 26.6ms

Speed: 1.8ms preprocess, 26.6ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 16 players, 25.8ms  
Speed: 1.7ms preprocess, 25.8ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 15 players, 24.9ms  
Speed: 1.7ms preprocess, 24.9ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.6ms  
Speed: 1.8ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 21 players, 25.4ms  
Speed: 3.4ms preprocess, 25.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 24.7ms  
Speed: 1.8ms preprocess, 24.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 26.1ms  
Speed: 2.6ms preprocess, 26.1ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 28.0ms  
Speed: 2.3ms preprocess, 28.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 27.4ms  
Speed: 1.5ms preprocess, 27.4ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 26.0ms  
Speed: 2.2ms preprocess, 26.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 15 players, 24.8ms  
Speed: 1.5ms preprocess, 24.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 26.5ms  
Speed: 1.7ms preprocess, 26.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 24.9ms  
Speed: 1.6ms preprocess, 24.9ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 25.7ms  
Speed: 1.9ms preprocess, 25.7ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 20 players, 24.9ms  
Speed: 3.5ms preprocess, 24.9ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 19 players, 25.8ms  
Speed: 4.3ms preprocess, 25.8ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 19 players, 25.1ms  
Speed: 3.1ms preprocess, 25.1ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 19 players, 25.6ms  
Speed: 2.1ms preprocess, 25.6ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 24.7ms  
Speed: 2.0ms preprocess, 24.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.1ms  
Speed: 1.8ms preprocess, 25.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 24.7ms  
Speed: 3.3ms preprocess, 24.7ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 25.9ms  
Speed: 1.9ms preprocess, 25.9ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 21 players, 24.5ms  
Speed: 1.7ms preprocess, 24.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 18 players, 25.7ms  
Speed: 3.4ms preprocess, 25.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 25.2ms  
Speed: 1.7ms preprocess, 25.2ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 24.7ms  
Speed: 1.5ms preprocess, 24.7ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 20 players, 26.0ms  
Speed: 1.7ms preprocess, 26.0ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 24.4ms  
Speed: 1.7ms preprocess, 24.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 16 players, 25.2ms  
Speed: 2.7ms preprocess, 25.2ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 24.4ms  
Speed: 1.8ms preprocess, 24.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 26.0ms  
Speed: 1.9ms preprocess, 26.0ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 21 players, 25.8ms  
Speed: 2.0ms preprocess, 25.8ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 28.8ms  
Speed: 1.9ms preprocess, 28.8ms inference, 1.5ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 26.4ms

Speed: 1.8ms preprocess, 26.4ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 22 players, 26.5ms  
Speed: 1.9ms preprocess, 26.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 24.5ms  
Speed: 3.5ms preprocess, 24.5ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 27.0ms  
Speed: 1.6ms preprocess, 27.0ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 27.3ms  
Speed: 1.8ms preprocess, 27.3ms inference, 2.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 17 players, 31.0ms  
Speed: 1.9ms preprocess, 31.0ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 24.6ms  
Speed: 2.0ms preprocess, 24.6ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 26.1ms  
Speed: 2.1ms preprocess, 26.1ms inference, 1.2ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 22 players, 25.8ms  
Speed: 1.9ms preprocess, 25.8ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 25.2ms  
Speed: 2.0ms preprocess, 25.2ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 21 players, 25.6ms  
Speed: 1.8ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 21 players, 24.7ms  
Speed: 1.8ms preprocess, 24.7ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 22 players, 25.5ms  
Speed: 2.1ms preprocess, 25.5ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 23 players, 25.6ms  
Speed: 2.0ms preprocess, 25.6ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 23 players, 24.7ms  
Speed: 1.6ms preprocess, 24.7ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 25.8ms  
Speed: 1.9ms preprocess, 25.8ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 24.9ms  
Speed: 2.1ms preprocess, 24.9ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 25.7ms  
Speed: 1.7ms preprocess, 25.7ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 26.4ms  
Speed: 1.7ms preprocess, 26.4ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 25.4ms  
Speed: 1.9ms preprocess, 25.4ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 1 football, 21 players, 32.6ms  
Speed: 1.9ms preprocess, 32.6ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 21 players, 27.1ms  
Speed: 3.6ms preprocess, 27.1ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 25.7ms  
Speed: 5.4ms preprocess, 25.7ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 34.5ms  
Speed: 2.0ms preprocess, 34.5ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 29.7ms  
Speed: 2.0ms preprocess, 29.7ms inference, 1.4ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 20 players, 28.5ms  
Speed: 2.0ms preprocess, 28.5ms inference, 1.6ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 19 players, 24.9ms  
Speed: 1.8ms preprocess, 24.9ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

0: 384x640 18 players, 26.1ms  
Speed: 1.9ms preprocess, 26.1ms inference, 1.1ms postprocess per image at shape (1, 3, 384, 640)

```
In [76]: video.release()  
         out.release()
```

```
In [77]: print(f"Video saved at: {output_path}")  
  
Video saved at: /content/output_video.mp4
```

## test new video

```
In [87]: video_path = "/content/videoplayback.mp4"  
         video = cv2.VideoCapture(video_path)
```

```
In [88]: frame_width = int(video.get(cv2.CAP_PROP_FRAME_WIDTH))  
         frame_height = int(video.get(cv2.CAP_PROP_FRAME_HEIGHT))  
         fps = int(video.get(cv2.CAP_PROP_FPS))
```

```
In [89]: output_dir = "/content/"
```

```
output_path = os.path.join(output_dir, "output_video2.mp4")
```

```
In [90]: fourcc = cv2.VideoWriter_fourcc(*'mp4v')
out = cv2.VideoWriter(output_path, fourcc, fps, (frame_width, frame_height))
```

```
In [91]: while video.isOpened():
    ret, frame = video.read()
    if not ret:
        break

    # Run prediction on the frame
    results = model.predict(frame)

    # Process results
    boxes = results[0].boxes.xyxy.cpu().numpy() # Extract bounding boxes
    scores = results[0].boxes.conf.cpu().numpy() # Extract confidence scores
    labels = results[0].boxes.cls.cpu().numpy() # Extract class IDs
    names = model.names # Access the class names from the model

    # Draw boxes and labels on the frame
    for box, score, label in zip(boxes, scores, labels):
        x1, y1, x2, y2 = map(int, box)
        label_name = names[int(label)]
        cv2.rectangle(frame, (x1, y1), (x2, y2), (0, 255, 0), 2)
        text = f"{label_name}: {score:.2f}"
        cv2.putText(frame, text, (x1, y1 - 10), cv2.FONT_HERSHEY_SIMPLEX, 0.5, (0, 255, 0))

    # Write the frame to the output video
    out.write(frame)
```

0: 640x384 3 players, 119.0ms

Speed: 1.7ms preprocess, 119.0ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 48.9ms

Speed: 1.6ms preprocess, 48.9ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 41.8ms

Speed: 1.9ms preprocess, 41.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 36.4ms

Speed: 1.2ms preprocess, 36.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 36.4ms

Speed: 1.5ms preprocess, 36.4ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 2 players, 36.6ms

Speed: 1.7ms preprocess, 36.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 3 players, 32.2ms

Speed: 1.2ms preprocess, 32.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 2 players, 25.3ms

Speed: 1.2ms preprocess, 25.3ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 4 players, 27.0ms

Speed: 1.3ms preprocess, 27.0ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)



0: 640x384 3 players, 27.8ms  
Speed: 1.4ms preprocess, 27.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 4 players, 27.3ms  
Speed: 1.2ms preprocess, 27.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 footballs, 4 players, 27.7ms  
Speed: 1.5ms preprocess, 27.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 4 players, 28.0ms  
Speed: 1.4ms preprocess, 28.0ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 5 players, 26.1ms  
Speed: 1.2ms preprocess, 26.1ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 26.4ms  
Speed: 2.0ms preprocess, 26.4ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 31.5ms  
Speed: 1.2ms preprocess, 31.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.1ms  
Speed: 2.1ms preprocess, 27.1ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 26.8ms  
Speed: 1.1ms preprocess, 26.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 6 players, 26.6ms  
Speed: 1.9ms preprocess, 26.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 6 players, 27.8ms  
Speed: 1.2ms preprocess, 27.8ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 4 players, 26.8ms  
Speed: 1.3ms preprocess, 26.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 4 players, 27.0ms  
Speed: 1.1ms preprocess, 27.0ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 27.9ms  
Speed: 1.6ms preprocess, 27.9ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 27.1ms  
Speed: 1.7ms preprocess, 27.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 6 players, 28.1ms  
Speed: 1.2ms preprocess, 28.1ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 8 players, 27.8ms

Speed: 2.4ms preprocess, 27.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 footballs, 10 players, 26.8ms  
Speed: 1.2ms preprocess, 26.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 9 players, 27.8ms  
Speed: 1.6ms preprocess, 27.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 9 players, 28.2ms  
Speed: 1.1ms preprocess, 28.2ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.8ms  
Speed: 1.4ms preprocess, 27.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 28.6ms  
Speed: 1.3ms preprocess, 28.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 28.1ms  
Speed: 1.4ms preprocess, 28.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 8 players, 27.8ms  
Speed: 1.3ms preprocess, 27.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 26.1ms  
Speed: 2.8ms preprocess, 26.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 8 players, 27.5ms  
Speed: 1.4ms preprocess, 27.5ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 28.0ms  
Speed: 1.3ms preprocess, 28.0ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 26.8ms  
Speed: 1.3ms preprocess, 26.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 8 players, 27.3ms  
Speed: 1.3ms preprocess, 27.3ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 27.8ms  
Speed: 2.5ms preprocess, 27.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 11 players, 26.2ms  
Speed: 1.4ms preprocess, 26.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 30.2ms  
Speed: 1.2ms preprocess, 30.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 29.4ms  
Speed: 2.1ms preprocess, 29.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 26.4ms  
Speed: 1.9ms preprocess, 26.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.1ms  
Speed: 1.5ms preprocess, 26.1ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 25.9ms  
Speed: 1.3ms preprocess, 25.9ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.3ms  
Speed: 1.3ms preprocess, 26.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 27.4ms  
Speed: 1.3ms preprocess, 27.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 27.6ms  
Speed: 1.2ms preprocess, 27.6ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 27.7ms  
Speed: 1.2ms preprocess, 27.7ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 26.2ms  
Speed: 1.1ms preprocess, 26.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.0ms  
Speed: 1.2ms preprocess, 26.0ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 12 players, 27.2ms  
Speed: 1.1ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 26.5ms  
Speed: 1.2ms preprocess, 26.5ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 27.5ms  
Speed: 1.1ms preprocess, 27.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 27.6ms  
Speed: 1.1ms preprocess, 27.6ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 27.1ms  
Speed: 1.4ms preprocess, 27.1ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.1ms  
Speed: 1.3ms preprocess, 26.1ms inference, 2.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 27.6ms

Speed: 1.5ms preprocess, 27.6ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 27.4ms  
Speed: 1.3ms preprocess, 27.4ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 27.6ms  
Speed: 1.1ms preprocess, 27.6ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 28.1ms  
Speed: 1.0ms preprocess, 28.1ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 26.7ms  
Speed: 2.7ms preprocess, 26.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.5ms  
Speed: 1.1ms preprocess, 26.5ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.8ms  
Speed: 1.8ms preprocess, 26.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.7ms  
Speed: 1.1ms preprocess, 26.7ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 27.0ms  
Speed: 1.6ms preprocess, 27.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 26.1ms  
Speed: 1.1ms preprocess, 26.1ms inference, 2.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 26.2ms  
Speed: 1.2ms preprocess, 26.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 26.8ms  
Speed: 1.2ms preprocess, 26.8ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 28.4ms  
Speed: 1.2ms preprocess, 28.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 28.4ms  
Speed: 1.1ms preprocess, 28.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 27.9ms  
Speed: 1.5ms preprocess, 27.9ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 27.8ms  
Speed: 1.1ms preprocess, 27.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 27.7ms  
Speed: 1.2ms preprocess, 27.7ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 28.6ms  
Speed: 1.3ms preprocess, 28.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 25.8ms  
Speed: 1.2ms preprocess, 25.8ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.4ms  
Speed: 1.3ms preprocess, 26.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 27.1ms  
Speed: 1.3ms preprocess, 27.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.7ms  
Speed: 1.1ms preprocess, 26.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.7ms  
Speed: 1.1ms preprocess, 26.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.5ms  
Speed: 1.1ms preprocess, 26.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 15 players, 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 27.3ms  
Speed: 1.3ms preprocess, 27.3ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 27.4ms  
Speed: 1.1ms preprocess, 27.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 27.2ms  
Speed: 1.4ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 27.6ms  
Speed: 1.4ms preprocess, 27.6ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 26.9ms  
Speed: 1.2ms preprocess, 26.9ms inference, 1.8ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.5ms  
Speed: 1.2ms preprocess, 26.5ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.6ms  
Speed: 1.9ms preprocess, 26.6ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 26.1ms  
Speed: 1.2ms preprocess, 26.1ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 27.2ms

Speed: 1.2ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 26.9ms  
Speed: 1.2ms preprocess, 26.9ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 26.8ms  
Speed: 1.5ms preprocess, 26.8ms inference, 3.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 31.3ms  
Speed: 1.4ms preprocess, 31.3ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 28.4ms  
Speed: 1.2ms preprocess, 28.4ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 28.0ms  
Speed: 2.9ms preprocess, 28.0ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 27.6ms  
Speed: 1.2ms preprocess, 27.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 25.9ms  
Speed: 1.6ms preprocess, 25.9ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 31.1ms  
Speed: 2.6ms preprocess, 31.1ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 38.1ms  
Speed: 1.2ms preprocess, 38.1ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 36.3ms  
Speed: 1.3ms preprocess, 36.3ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 30.3ms  
Speed: 1.2ms preprocess, 30.3ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 29.2ms  
Speed: 1.1ms preprocess, 29.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 25.8ms  
Speed: 1.5ms preprocess, 25.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 28.1ms  
Speed: 1.2ms preprocess, 28.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 26.6ms  
Speed: 1.2ms preprocess, 26.6ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.3ms  
Speed: 1.2ms preprocess, 26.3ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 32.4ms  
Speed: 1.4ms preprocess, 32.4ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 25.9ms  
Speed: 1.3ms preprocess, 25.9ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 31.9ms  
Speed: 1.3ms preprocess, 31.9ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 32.1ms  
Speed: 1.4ms preprocess, 32.1ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 32.3ms  
Speed: 1.5ms preprocess, 32.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 35.3ms  
Speed: 2.0ms preprocess, 35.3ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 33.2ms  
Speed: 1.4ms preprocess, 33.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 25.6ms  
Speed: 1.2ms preprocess, 25.6ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 26.3ms  
Speed: 1.1ms preprocess, 26.3ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 27.0ms  
Speed: 1.7ms preprocess, 27.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 26.8ms  
Speed: 1.1ms preprocess, 26.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 26.7ms  
Speed: 1.0ms preprocess, 26.7ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 25.9ms  
Speed: 1.0ms preprocess, 25.9ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 26.4ms  
Speed: 1.0ms preprocess, 26.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 29.1ms  
Speed: 1.1ms preprocess, 29.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 25.8ms  
Speed: 1.1ms preprocess, 25.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 26.6ms

Speed: 1.1ms preprocess, 26.6ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 26.7ms  
Speed: 1.1ms preprocess, 26.7ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 27.0ms  
Speed: 1.1ms preprocess, 27.0ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 27.1ms  
Speed: 1.1ms preprocess, 27.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 27.1ms  
Speed: 1.1ms preprocess, 27.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 18 players, 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 37.1ms  
Speed: 1.1ms preprocess, 37.1ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 32.1ms  
Speed: 1.4ms preprocess, 32.1ms inference, 3.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 36.5ms  
Speed: 1.2ms preprocess, 36.5ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 36.1ms  
Speed: 1.5ms preprocess, 36.1ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 30.1ms  
Speed: 1.1ms preprocess, 30.1ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 28.7ms  
Speed: 1.6ms preprocess, 28.7ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 18 players, 29.5ms  
Speed: 1.3ms preprocess, 29.5ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 29.3ms  
Speed: 1.4ms preprocess, 29.3ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 28.9ms  
Speed: 2.0ms preprocess, 28.9ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 34.7ms  
Speed: 1.5ms preprocess, 34.7ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 29.3ms  
Speed: 1.2ms preprocess, 29.3ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)



0: 640x384 16 players, 25.4ms  
Speed: 1.1ms preprocess, 25.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 29.9ms  
Speed: 1.1ms preprocess, 29.9ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 25.9ms  
Speed: 1.3ms preprocess, 25.9ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 20 players, 29.1ms  
Speed: 1.1ms preprocess, 29.1ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 19 players, 31.5ms  
Speed: 1.2ms preprocess, 31.5ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 30.4ms  
Speed: 1.2ms preprocess, 30.4ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 28.7ms  
Speed: 1.1ms preprocess, 28.7ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 19 players, 27.4ms  
Speed: 1.1ms preprocess, 27.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 21 players, 27.1ms  
Speed: 1.1ms preprocess, 27.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 27.0ms  
Speed: 1.1ms preprocess, 27.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 29.9ms  
Speed: 1.1ms preprocess, 29.9ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 34.8ms  
Speed: 1.1ms preprocess, 34.8ms inference, 3.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 36.7ms  
Speed: 1.1ms preprocess, 36.7ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 38.4ms  
Speed: 1.1ms preprocess, 38.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 33.9ms  
Speed: 1.1ms preprocess, 33.9ms inference, 1.8ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 38.8ms  
Speed: 1.5ms preprocess, 38.8ms inference, 3.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 47.3ms

Speed: 1.1ms preprocess, 47.3ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 27.8ms  
Speed: 1.6ms preprocess, 27.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.3ms  
Speed: 1.3ms preprocess, 26.3ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.3ms  
Speed: 1.1ms preprocess, 26.3ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 29.9ms  
Speed: 3.0ms preprocess, 29.9ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 27.8ms  
Speed: 1.2ms preprocess, 27.8ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 25.5ms  
Speed: 1.4ms preprocess, 25.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 27.1ms  
Speed: 1.3ms preprocess, 27.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 27.8ms  
Speed: 1.3ms preprocess, 27.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 28.3ms  
Speed: 1.3ms preprocess, 28.3ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 18 players, 31.6ms  
Speed: 1.2ms preprocess, 31.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 17 players, 32.0ms  
Speed: 1.3ms preprocess, 32.0ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 27.3ms  
Speed: 1.3ms preprocess, 27.3ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 16 players, 26.4ms  
Speed: 1.4ms preprocess, 26.4ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 28.0ms  
Speed: 1.2ms preprocess, 28.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 29.7ms  
Speed: 1.3ms preprocess, 29.7ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 30.6ms  
Speed: 1.3ms preprocess, 30.6ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 27.4ms  
Speed: 1.3ms preprocess, 27.4ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 32.3ms  
Speed: 1.3ms preprocess, 32.3ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 31.8ms  
Speed: 1.1ms preprocess, 31.8ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 33.6ms  
Speed: 1.1ms preprocess, 33.6ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 34.5ms  
Speed: 1.3ms preprocess, 34.5ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 13 players, 30.5ms  
Speed: 1.1ms preprocess, 30.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 41.7ms  
Speed: 1.2ms preprocess, 41.7ms inference, 2.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 15 players, 32.9ms  
Speed: 1.6ms preprocess, 32.9ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 30.1ms  
Speed: 1.2ms preprocess, 30.1ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 27.2ms  
Speed: 1.1ms preprocess, 27.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 26.4ms  
Speed: 2.7ms preprocess, 26.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 28.1ms  
Speed: 1.2ms preprocess, 28.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 28.2ms  
Speed: 1.2ms preprocess, 28.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 28.1ms  
Speed: 1.1ms preprocess, 28.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 28.3ms  
Speed: 1.1ms preprocess, 28.3ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 18 players, 34.2ms

Speed: 1.1ms preprocess, 34.2ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 35.8ms  
Speed: 1.1ms preprocess, 35.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 25.5ms  
Speed: 1.1ms preprocess, 25.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 35.2ms  
Speed: 1.1ms preprocess, 35.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 29.8ms  
Speed: 1.1ms preprocess, 29.8ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 38.5ms  
Speed: 2.8ms preprocess, 38.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 35.0ms  
Speed: 1.9ms preprocess, 35.0ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 44.7ms  
Speed: 1.9ms preprocess, 44.7ms inference, 5.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 41.8ms  
Speed: 2.0ms preprocess, 41.8ms inference, 2.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 10 players, 37.7ms  
Speed: 1.8ms preprocess, 37.7ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 34.8ms  
Speed: 1.1ms preprocess, 34.8ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 46.6ms  
Speed: 1.1ms preprocess, 46.6ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 27.9ms  
Speed: 1.2ms preprocess, 27.9ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 26.8ms  
Speed: 1.2ms preprocess, 26.8ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 28.8ms  
Speed: 1.1ms preprocess, 28.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 28.2ms  
Speed: 1.1ms preprocess, 28.2ms inference, 1.8ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 26.5ms  
Speed: 1.1ms preprocess, 26.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 27.0ms  
Speed: 1.1ms preprocess, 27.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 28.6ms  
Speed: 1.1ms preprocess, 28.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 27.5ms  
Speed: 1.1ms preprocess, 27.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 27.9ms  
Speed: 1.1ms preprocess, 27.9ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 31.2ms  
Speed: 1.1ms preprocess, 31.2ms inference, 3.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 13 players, 25.3ms  
Speed: 1.1ms preprocess, 25.3ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 42.7ms  
Speed: 1.1ms preprocess, 42.7ms inference, 2.8ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 37.9ms  
Speed: 1.1ms preprocess, 37.9ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 12 players, 38.5ms  
Speed: 6.5ms preprocess, 38.5ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 8 players, 32.1ms  
Speed: 2.8ms preprocess, 32.1ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 8 players, 30.5ms  
Speed: 1.6ms preprocess, 30.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 32.7ms  
Speed: 1.3ms preprocess, 32.7ms inference, 2.8ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 14 players, 29.4ms  
Speed: 1.2ms preprocess, 29.4ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 11 players, 29.3ms  
Speed: 1.3ms preprocess, 29.3ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 34.2ms  
Speed: 1.3ms preprocess, 34.2ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 31.1ms

Speed: 1.3ms preprocess, 31.1ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 8 players, 31.1ms  
Speed: 1.2ms preprocess, 31.1ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 10 players, 37.2ms  
Speed: 1.2ms preprocess, 37.2ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 36.4ms  
Speed: 1.2ms preprocess, 36.4ms inference, 2.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 9 players, 30.8ms  
Speed: 1.2ms preprocess, 30.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 25.7ms  
Speed: 1.1ms preprocess, 25.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 8 players, 27.5ms  
Speed: 1.2ms preprocess, 27.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 28.1ms  
Speed: 1.1ms preprocess, 28.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 28.1ms  
Speed: 1.1ms preprocess, 28.1ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 28.1ms  
Speed: 1.1ms preprocess, 28.1ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.1ms  
Speed: 1.2ms preprocess, 28.1ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 28.2ms  
Speed: 1.1ms preprocess, 28.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 29.6ms  
Speed: 1.1ms preprocess, 29.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 26.4ms  
Speed: 1.9ms preprocess, 26.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.2ms  
Speed: 1.1ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.5ms  
Speed: 1.2ms preprocess, 27.5ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.3ms  
Speed: 1.2ms preprocess, 28.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.6ms  
Speed: 2.3ms preprocess, 27.6ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 26.8ms  
Speed: 2.5ms preprocess, 26.8ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.4ms  
Speed: 1.1ms preprocess, 28.4ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.9ms  
Speed: 1.5ms preprocess, 27.9ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.1ms  
Speed: 1.4ms preprocess, 28.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.9ms  
Speed: 1.5ms preprocess, 27.9ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.0ms  
Speed: 1.5ms preprocess, 28.0ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 29.0ms  
Speed: 1.4ms preprocess, 29.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.3ms  
Speed: 1.2ms preprocess, 28.3ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 2 players, 28.5ms  
Speed: 1.1ms preprocess, 28.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.5ms  
Speed: 1.1ms preprocess, 28.5ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.5ms  
Speed: 1.1ms preprocess, 28.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.6ms  
Speed: 1.3ms preprocess, 28.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.8ms

Speed: 1.2ms preprocess, 28.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 28.6ms  
Speed: 1.3ms preprocess, 28.6ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 2 players, 28.8ms  
Speed: 1.2ms preprocess, 28.8ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.4ms  
Speed: 1.1ms preprocess, 28.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.3ms  
Speed: 1.7ms preprocess, 27.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 26.8ms  
Speed: 1.9ms preprocess, 26.8ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.2ms  
Speed: 1.9ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.7ms  
Speed: 1.6ms preprocess, 27.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.2ms  
Speed: 1.4ms preprocess, 27.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 29.0ms  
Speed: 1.3ms preprocess, 29.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.1ms  
Speed: 2.2ms preprocess, 27.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.0ms  
Speed: 1.2ms preprocess, 27.0ms inference, 2.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.2ms  
Speed: 1.3ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.1ms  
Speed: 1.1ms preprocess, 27.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.2ms  
Speed: 1.1ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)



0: 640x384 5 players, 27.6ms  
Speed: 2.0ms preprocess, 27.6ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.1ms  
Speed: 1.1ms preprocess, 27.1ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.3ms  
Speed: 1.1ms preprocess, 28.3ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.3ms  
Speed: 1.4ms preprocess, 27.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.6ms  
Speed: 1.2ms preprocess, 27.6ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.7ms  
Speed: 1.2ms preprocess, 27.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.7ms  
Speed: 1.2ms preprocess, 27.7ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.2ms  
Speed: 1.2ms preprocess, 28.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.2ms  
Speed: 1.1ms preprocess, 28.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.1ms  
Speed: 1.1ms preprocess, 28.1ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.8ms  
Speed: 1.5ms preprocess, 27.8ms inference, 1.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 28.5ms  
Speed: 1.2ms preprocess, 28.5ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.7ms  
Speed: 1.3ms preprocess, 28.7ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.8ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 26.9ms  
Speed: 1.4ms preprocess, 26.9ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.1ms  
Speed: 1.2ms preprocess, 28.1ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.0ms

Speed: 3.2ms preprocess, 27.0ms inference, 1.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 39.2ms  
Speed: 1.1ms preprocess, 39.2ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 32.1ms  
Speed: 1.3ms preprocess, 32.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.6ms  
Speed: 2.6ms preprocess, 27.6ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.6ms  
Speed: 1.4ms preprocess, 27.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.4ms  
Speed: 1.2ms preprocess, 28.4ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.2ms  
Speed: 1.3ms preprocess, 28.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 28.2ms  
Speed: 1.2ms preprocess, 28.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 29.0ms  
Speed: 1.4ms preprocess, 29.0ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 4 players, 28.3ms  
Speed: 1.3ms preprocess, 28.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.0ms  
Speed: 1.3ms preprocess, 28.0ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 28.1ms  
Speed: 1.3ms preprocess, 28.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.9ms  
Speed: 1.4ms preprocess, 27.9ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.4ms  
Speed: 1.2ms preprocess, 27.4ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.4ms  
Speed: 1.2ms preprocess, 28.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.7ms  
Speed: 1.4ms preprocess, 27.7ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.0ms  
Speed: 1.1ms preprocess, 28.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.4ms  
Speed: 1.4ms preprocess, 27.4ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 33.5ms  
Speed: 1.3ms preprocess, 33.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 26.7ms  
Speed: 1.3ms preprocess, 26.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.0ms  
Speed: 1.3ms preprocess, 28.0ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 28.1ms  
Speed: 1.3ms preprocess, 28.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.8ms  
Speed: 1.9ms preprocess, 27.8ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.6ms  
Speed: 1.2ms preprocess, 27.6ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.2ms  
Speed: 1.3ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 26.6ms  
Speed: 1.2ms preprocess, 26.6ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.2ms  
Speed: 1.9ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.3ms  
Speed: 1.2ms preprocess, 27.3ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.2ms  
Speed: 1.4ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.2ms  
Speed: 1.6ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 28.0ms  
Speed: 1.4ms preprocess, 28.0ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.0ms  
Speed: 1.1ms preprocess, 28.0ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 28.3ms

Speed: 1.2ms preprocess, 28.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.7ms  
Speed: 1.2ms preprocess, 27.7ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.8ms  
Speed: 1.2ms preprocess, 27.8ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.7ms  
Speed: 1.7ms preprocess, 27.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 5 players, 27.3ms  
Speed: 1.4ms preprocess, 27.3ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.7ms  
Speed: 2.0ms preprocess, 27.7ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 4 players, 28.0ms  
Speed: 1.1ms preprocess, 28.0ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 4 players, 28.2ms  
Speed: 1.3ms preprocess, 28.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 1 player, 28.2ms  
Speed: 1.1ms preprocess, 28.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.9ms  
Speed: 1.2ms preprocess, 27.9ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 35.8ms  
Speed: 1.2ms preprocess, 35.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 football, 5 players, 25.6ms  
Speed: 3.4ms preprocess, 25.6ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 26.4ms  
Speed: 1.2ms preprocess, 26.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 26.5ms  
Speed: 1.1ms preprocess, 26.5ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.9ms  
Speed: 1.4ms preprocess, 27.9ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 28.5ms  
Speed: 1.2ms preprocess, 28.5ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 27.2ms  
Speed: 1.3ms preprocess, 27.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.2ms  
Speed: 1.5ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.1ms  
Speed: 1.1ms preprocess, 27.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.6ms  
Speed: 1.2ms preprocess, 27.6ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.5ms  
Speed: 1.2ms preprocess, 27.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.1ms  
Speed: 1.1ms preprocess, 27.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.6ms  
Speed: 1.2ms preprocess, 27.6ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 27.2ms  
Speed: 1.1ms preprocess, 27.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.3ms  
Speed: 1.4ms preprocess, 27.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.6ms  
Speed: 1.8ms preprocess, 27.6ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.7ms

Speed: 1.1ms preprocess, 27.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.2ms  
Speed: 1.4ms preprocess, 27.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 35.7ms  
Speed: 1.2ms preprocess, 35.7ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 25.2ms  
Speed: 1.2ms preprocess, 25.2ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.9ms  
Speed: 1.1ms preprocess, 27.9ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.8ms  
Speed: 1.2ms preprocess, 27.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.3ms  
Speed: 1.2ms preprocess, 27.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 27.4ms  
Speed: 1.3ms preprocess, 27.4ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.3ms  
Speed: 1.2ms preprocess, 27.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.6ms  
Speed: 1.8ms preprocess, 27.6ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.7ms  
Speed: 1.2ms preprocess, 27.7ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.5ms  
Speed: 1.1ms preprocess, 27.5ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.7ms  
Speed: 1.7ms preprocess, 27.7ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.7ms  
Speed: 1.6ms preprocess, 27.7ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.2ms  
Speed: 2.1ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.5ms  
Speed: 2.2ms preprocess, 27.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.1ms  
Speed: 1.3ms preprocess, 27.1ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 26.6ms  
Speed: 1.9ms preprocess, 26.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.2ms  
Speed: 1.8ms preprocess, 27.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.0ms  
Speed: 1.4ms preprocess, 27.0ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 26.9ms  
Speed: 2.3ms preprocess, 26.9ms inference, 4.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 31.1ms  
Speed: 1.2ms preprocess, 31.1ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.4ms  
Speed: 1.2ms preprocess, 28.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 26.1ms  
Speed: 1.2ms preprocess, 26.1ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.7ms  
Speed: 1.4ms preprocess, 28.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.8ms  
Speed: 1.5ms preprocess, 27.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 27.1ms

Speed: 1.3ms preprocess, 27.1ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 27.5ms  
Speed: 1.3ms preprocess, 27.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 27.4ms  
Speed: 1.5ms preprocess, 27.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 27.8ms  
Speed: 1.2ms preprocess, 27.8ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 28.5ms  
Speed: 1.1ms preprocess, 28.5ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.4ms  
Speed: 1.9ms preprocess, 28.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.4ms  
Speed: 1.2ms preprocess, 28.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 7 players, 28.3ms  
Speed: 1.1ms preprocess, 28.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 29.1ms  
Speed: 1.8ms preprocess, 29.1ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.9ms  
Speed: 1.1ms preprocess, 28.9ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 29.3ms  
Speed: 1.1ms preprocess, 29.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 6 players, 28.7ms  
Speed: 1.1ms preprocess, 28.7ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 29.0ms  
Speed: 1.1ms preprocess, 29.0ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.3ms  
Speed: 1.5ms preprocess, 28.3ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 28.1ms  
Speed: 1.1ms preprocess, 28.1ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 28.7ms  
Speed: 1.4ms preprocess, 28.7ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.8ms  
Speed: 1.1ms preprocess, 27.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)



0: 640x384 4 players, 27.4ms  
Speed: 1.4ms preprocess, 27.4ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.0ms  
Speed: 1.3ms preprocess, 28.0ms inference, 1.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.0ms  
Speed: 1.2ms preprocess, 27.0ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 34.4ms  
Speed: 1.8ms preprocess, 34.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 26.5ms  
Speed: 1.2ms preprocess, 26.5ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 28.0ms  
Speed: 1.2ms preprocess, 28.0ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 5 players, 28.5ms  
Speed: 1.1ms preprocess, 28.5ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.2ms  
Speed: 1.1ms preprocess, 28.2ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.2ms  
Speed: 1.1ms preprocess, 28.2ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 26.7ms  
Speed: 1.1ms preprocess, 26.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.5ms  
Speed: 1.2ms preprocess, 27.5ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.4ms  
Speed: 1.1ms preprocess, 27.4ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.3ms  
Speed: 1.5ms preprocess, 27.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.3ms  
Speed: 2.0ms preprocess, 27.3ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.3ms  
Speed: 1.9ms preprocess, 27.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.3ms  
Speed: 1.5ms preprocess, 27.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.3ms

Speed: 1.1ms preprocess, 27.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.3ms  
Speed: 1.2ms preprocess, 27.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.6ms  
Speed: 1.1ms preprocess, 27.6ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.3ms  
Speed: 1.1ms preprocess, 28.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.3ms  
Speed: 1.1ms preprocess, 28.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 28.3ms  
Speed: 1.1ms preprocess, 28.3ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 26.8ms  
Speed: 2.0ms preprocess, 26.8ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 29.9ms  
Speed: 1.7ms preprocess, 29.9ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.4ms  
Speed: 1.6ms preprocess, 27.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.4ms  
Speed: 1.8ms preprocess, 27.4ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.0ms  
Speed: 1.1ms preprocess, 28.0ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.1ms  
Speed: 2.1ms preprocess, 27.1ms inference, 2.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.3ms  
Speed: 1.2ms preprocess, 27.3ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.0ms  
Speed: 1.2ms preprocess, 27.0ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 26.8ms  
Speed: 1.2ms preprocess, 26.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.1ms  
Speed: 1.4ms preprocess, 27.1ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.2ms  
Speed: 1.2ms preprocess, 27.2ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.7ms  
Speed: 1.1ms preprocess, 27.7ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.7ms  
Speed: 1.8ms preprocess, 27.7ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.6ms  
Speed: 1.1ms preprocess, 27.6ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.8ms  
Speed: 1.3ms preprocess, 27.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.2ms  
Speed: 1.3ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.2ms  
Speed: 1.1ms preprocess, 27.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.7ms  
Speed: 1.2ms preprocess, 27.7ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.3ms  
Speed: 1.3ms preprocess, 27.3ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.6ms  
Speed: 1.2ms preprocess, 27.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 29.2ms  
Speed: 1.1ms preprocess, 29.2ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.9ms  
Speed: 1.2ms preprocess, 27.9ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 4 players, 27.2ms

Speed: 1.6ms preprocess, 27.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 27.0ms  
Speed: 1.3ms preprocess, 27.0ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.2ms  
Speed: 1.1ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.5ms  
Speed: 1.6ms preprocess, 27.5ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 28.0ms  
Speed: 1.2ms preprocess, 28.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 28.6ms  
Speed: 1.3ms preprocess, 28.6ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 28.5ms  
Speed: 1.8ms preprocess, 28.5ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 28.2ms  
Speed: 1.2ms preprocess, 28.2ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 27.8ms  
Speed: 1.4ms preprocess, 27.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.8ms  
Speed: 2.0ms preprocess, 27.8ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.7ms  
Speed: 1.6ms preprocess, 27.7ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 28.2ms  
Speed: 1.1ms preprocess, 28.2ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 28.1ms  
Speed: 1.1ms preprocess, 28.1ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.8ms  
Speed: 1.7ms preprocess, 27.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 26.9ms  
Speed: 1.2ms preprocess, 26.9ms inference, 1.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 32.0ms  
Speed: 1.5ms preprocess, 32.0ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 35.7ms  
Speed: 1.2ms preprocess, 35.7ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 25.9ms  
Speed: 1.3ms preprocess, 25.9ms inference, 1.8ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 29.1ms  
Speed: 1.1ms preprocess, 29.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 25.5ms  
Speed: 1.2ms preprocess, 25.5ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 26.6ms  
Speed: 1.0ms preprocess, 26.6ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 2 players, 39.5ms  
Speed: 1.1ms preprocess, 39.5ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 44.1ms  
Speed: 1.1ms preprocess, 44.1ms inference, 1.7ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 42.1ms  
Speed: 3.4ms preprocess, 42.1ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 33.9ms  
Speed: 1.2ms preprocess, 33.9ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 40.7ms  
Speed: 1.6ms preprocess, 40.7ms inference, 2.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 3 players, 43.2ms  
Speed: 1.5ms preprocess, 43.2ms inference, 1.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 31.9ms  
Speed: 1.3ms preprocess, 31.9ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 28.0ms  
Speed: 1.4ms preprocess, 28.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 1 player, 27.1ms  
Speed: 1.1ms preprocess, 27.1ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 29.2ms  
Speed: 1.2ms preprocess, 29.2ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.4ms  
Speed: 1.3ms preprocess, 27.4ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.4ms

Speed: 1.2ms preprocess, 27.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.3ms  
Speed: 1.7ms preprocess, 27.3ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.1ms  
Speed: 4.0ms preprocess, 27.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.7ms  
Speed: 1.2ms preprocess, 30.7ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.4ms  
Speed: 1.2ms preprocess, 27.4ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.0ms  
Speed: 1.2ms preprocess, 27.0ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.2ms  
Speed: 1.0ms preprocess, 27.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 26.4ms  
Speed: 1.2ms preprocess, 26.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 26.3ms  
Speed: 1.1ms preprocess, 26.3ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.2ms  
Speed: 4.1ms preprocess, 30.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 33.8ms  
Speed: 1.4ms preprocess, 33.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 37.6ms  
Speed: 1.7ms preprocess, 37.6ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 35.4ms  
Speed: 1.1ms preprocess, 35.4ms inference, 1.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 35.1ms  
Speed: 1.0ms preprocess, 35.1ms inference, 2.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 28.6ms  
Speed: 1.1ms preprocess, 28.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.9ms  
Speed: 1.4ms preprocess, 27.9ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.0ms  
Speed: 1.2ms preprocess, 30.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 31.8ms  
Speed: 1.1ms preprocess, 31.8ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 29.1ms  
Speed: 1.3ms preprocess, 29.1ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.9ms  
Speed: 1.3ms preprocess, 30.9ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.9ms  
Speed: 1.2ms preprocess, 27.9ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 31.6ms  
Speed: 1.2ms preprocess, 31.6ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.8ms  
Speed: 1.2ms preprocess, 27.8ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.1ms  
Speed: 1.4ms preprocess, 27.1ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 29.9ms  
Speed: 1.7ms preprocess, 29.9ms inference, 3.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 26.6ms  
Speed: 1.3ms preprocess, 26.6ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 41.2ms  
Speed: 1.4ms preprocess, 41.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.0ms  
Speed: 1.4ms preprocess, 30.0ms inference, 0.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 25.8ms  
Speed: 1.2ms preprocess, 25.8ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 34.8ms  
Speed: 1.1ms preprocess, 34.8ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 35.6ms  
Speed: 1.1ms preprocess, 35.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 38.2ms  
Speed: 1.3ms preprocess, 38.2ms inference, 2.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 38.4ms

Speed: 2.2ms preprocess, 38.4ms inference, 1.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 36.4ms  
Speed: 1.4ms preprocess, 36.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 34.4ms  
Speed: 1.4ms preprocess, 34.4ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 34.9ms  
Speed: 1.8ms preprocess, 34.9ms inference, 1.6ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 29.9ms  
Speed: 1.3ms preprocess, 29.9ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 31.9ms  
Speed: 1.6ms preprocess, 31.9ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 39.2ms  
Speed: 1.2ms preprocess, 39.2ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.2ms  
Speed: 1.1ms preprocess, 30.2ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.5ms  
Speed: 1.3ms preprocess, 27.5ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.8ms  
Speed: 1.1ms preprocess, 30.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 32.8ms  
Speed: 1.1ms preprocess, 32.8ms inference, 3.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 42.6ms  
Speed: 1.2ms preprocess, 42.6ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 28.1ms  
Speed: 1.2ms preprocess, 28.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 26.8ms  
Speed: 1.2ms preprocess, 26.8ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.3ms  
Speed: 1.1ms preprocess, 27.3ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.6ms  
Speed: 1.1ms preprocess, 27.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)



0: 640x384 (no detections), 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 26.9ms  
Speed: 2.6ms preprocess, 26.9ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 33.0ms  
Speed: 1.1ms preprocess, 33.0ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 32.6ms  
Speed: 1.3ms preprocess, 32.6ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 32.9ms  
Speed: 1.3ms preprocess, 32.9ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 28.7ms  
Speed: 1.1ms preprocess, 28.7ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 34.0ms  
Speed: 2.9ms preprocess, 34.0ms inference, 3.5ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 61.7ms  
Speed: 1.1ms preprocess, 61.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 37.6ms  
Speed: 1.3ms preprocess, 37.6ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 38.1ms  
Speed: 2.4ms preprocess, 38.1ms inference, 3.9ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 33.6ms  
Speed: 2.1ms preprocess, 33.6ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 34.7ms  
Speed: 1.2ms preprocess, 34.7ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.6ms  
Speed: 1.3ms preprocess, 30.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 31.4ms  
Speed: 1.2ms preprocess, 31.4ms inference, 1.4ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.1ms  
Speed: 1.2ms preprocess, 27.1ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.0ms  
Speed: 1.2ms preprocess, 27.0ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 34.2ms

Speed: 1.2ms preprocess, 34.2ms inference, 4.0ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 46.4ms  
Speed: 1.2ms preprocess, 46.4ms inference, 1.2ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 29.7ms  
Speed: 1.1ms preprocess, 29.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 27.6ms  
Speed: 1.3ms preprocess, 27.6ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 31.6ms  
Speed: 1.3ms preprocess, 31.6ms inference, 1.1ms postprocess per image at shape (1, 3, 640, 384)

0: 640x384 (no detections), 30.7ms  
Speed: 1.8ms preprocess, 30.7ms inference, 1.3ms postprocess per image at shape (1, 3, 640, 384)

```
In [92]: video.release()
         out.release()

         print(f"Video saved at: {output_path}")
Video saved at: /content/output_video2.mp4
```

```
In [ ]:
```