

File - model_test

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1 C:\Users\hiImi\AppData\Local\Programs\Python\Python312\python.exe D:\Projects\Code\python-projects\yolo-gfl\models\model_test.py
2
3 STARTING COMPREHENSIVE MODEL TESTING
4
5 Testing YOLO12 with image size 640
6
7 Evaluating Model: YOLO12
8 YOLOv12 summary: 272 layers, 2,538,486 parameters, 0 gradients, 6.0 GFLOPs
9 (272, 2538486, 0, 6.0090368)
10 Ultralytics 8.3.157 Python-3.12.10 torch-2.6.0+cu126 CUDA:0 (NVIDIA GeForce RTX 4060 Laptop GPU, 8188MiB)
11 YOLOv12 summary (fused): 159 layers, 2,527,166 parameters, 0 gradients, 5.8 GFLOPs
12 val: Fast image access (ping: 0.10.0 ms, read: 1154.2628.0 MB/s, size: 204.8 KB)
13 val: Scanning D:\Projects\Code\python-projects\yolo-gfl\dataset\HOME-FIRE\val\labels.cache... 1300 images, 33 backgrounds, 0 corrupt: 100%|██████████| 1300/1300 [00:00<?, ?it/s]
14      Class      Images  Instances   Box(P          R      mAP50  mAP50-95): 100%|██████████| 82/82 [00:00<00:00,  9.12it/s]
15      all         1300        1580       0.93       0.888       0.933       0.642
16      Fire          894         963       0.957       0.921       0.955       0.695
17      Smoke          574         617       0.902       0.854       0.911       0.589
18 Speed: 0.2ms preprocess, 2.2ms inference, 0.0ms loss, 1.1ms postprocess per image
19 Saving runs\YOLO12\predictions.json...
20 Results saved to runs\YOLO12
21
22 Testing YOLO-GFL with image size 640
23
24 Evaluating Model: YOLO-GFL
25 YOLO-gfl summary: 198 layers, 1,616,270 parameters, 0 gradients, 4.7 GFLOPs
26 (198, 1616270, 0, 4.7103232)
27 Ultralytics 8.3.157 Python-3.12.10 torch-2.6.0+cu126 CUDA:0 (NVIDIA GeForce RTX 4060 Laptop GPU, 8188MiB)
28 YOLO-gfl summary (fused): 118 layers, 1,611,126 parameters, 0 gradients, 4.6 GFLOPs
29 val: Fast image access (ping: 0.10.0 ms, read: 1925.9739.8 MB/s, size: 360.0 KB)
30 val: Scanning D:\Projects\Code\python-projects\yolo-gfl\dataset\HOME-FIRE\val\labels.cache... 1300 images, 33 backgrounds, 0 corrupt: 100%|██████████| 1300/1300 [00:00<?, ?it/s]
31      Class      Images  Instances   Box(P          R      mAP50  mAP50-95): 100%|██████████| 82/82 [00:00<00:00,  9.78it/s]
32      all         1300        1580       0.941       0.892       0.933       0.621
33      Fire          894         963       0.956       0.918       0.955       0.669
34      Smoke          574         617       0.925       0.865       0.911       0.573
35 Speed: 0.2ms preprocess, 1.6ms inference, 0.0ms loss, 1.1ms postprocess per image
36 Saving runs\YOLO-GFL\predictions.json...
37 Results saved to runs\YOLO-GFL
38
39 Process finished with exit code 0
40
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