YOLOV12n RESULTS:

Ultralytics 8.3.115 Python-3.11.9 torch-2.6.0+cu118 CUDA:0 (NVIDIA GeForce RTX 3060 Laptop GPU, 6144MiB)

YOLOv12n summary (fused): 159 layers, 2,557,703 parameters, 0 gradients, 6.3 GFLOPs

[34m[1mval: [0mFast image access (ping: 0.10.0 ms, read: 729.4269.9 MB/s, size: 387.3 KB)

[34m[1mval: [0mScanning C:\Users\Casper\Desktop\Bitirme\_2\_Rapor\_Uygulama\_Yolo\_traffic\_sign\_detection\datasets\CARLA\_Object\_Detection\_Dataset\carla-object-detection-dataset\labels\val.cache... 100 images, 0 backgrounds, 0 corrupt: 100%|██████████| 100/100 [00:00<?, ?it/s]

Class Images Instances Box(P R mAP50 mAP50-95): 100%|██████████| 7/7 [00:11<00:00, 1.70s/it]

all 100 384 0.836 0.77 0.796 0.537

Vehicle 88 181 0.896 0.884 0.945 0.729

Bike 16 16 0.821 0.812 0.885 0.56

Motorbike 26 26 0.775 0.923 0.826 0.542

Traffic Light 71 145 0.859 0.629 0.695 0.489

Traffic Sign 12 16 0.828 0.604 0.628 0.367

Speed: 1.3ms preprocess, 7.1ms inference, 0.1ms loss, 5.5ms postprocess per image

Results saved to runs\detect\val3

precision(B): 0.8359146492631252

metrics/recall(B): 0.7704781410997137

metrics/mAP50(B): 0.7958263295877435

metrics/mAP50-95(B): 0.5372182940174978