

Report CountGD evaluation

1. Đánh giá model

- a. Thông tin Valid dataset

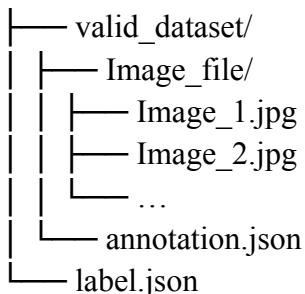
Source: Pig detection labeled dataset

Tập data valid được sử dụng từ Pig detection dataset đã được loại bỏ các hình ảnh thiếu box.

Number: 726 image

Text prompt: ‘pig’

Chỉ có 1 class: ‘pig’



b. Training checkpoints

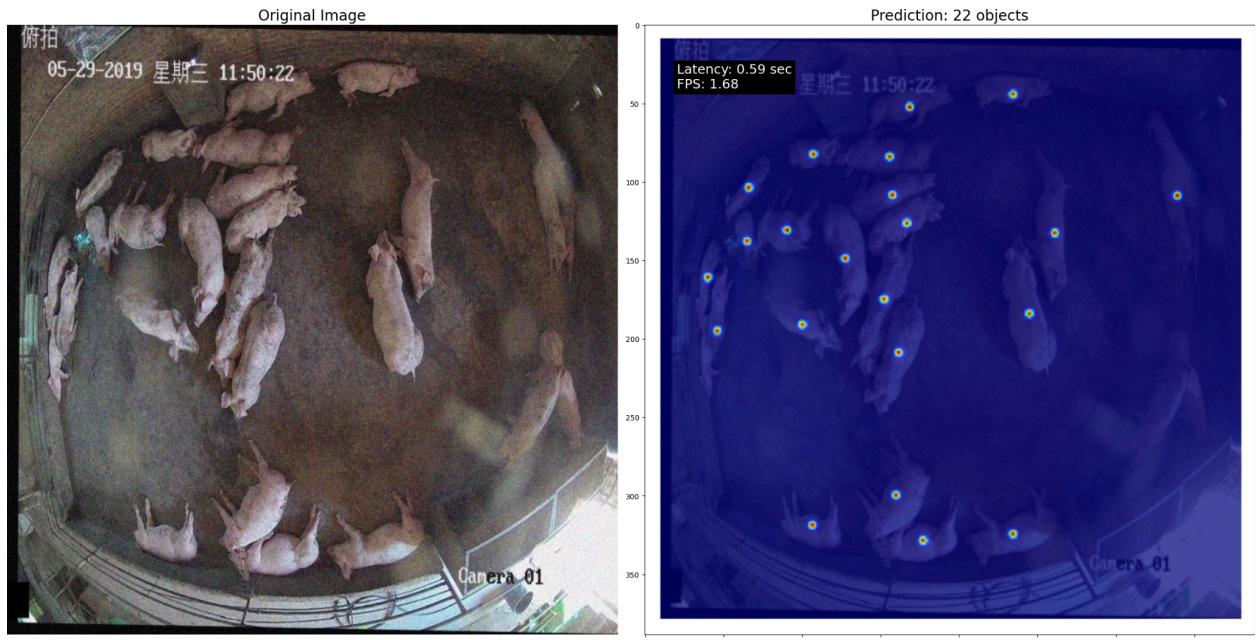
Model Name	Training Data	Base Model Checkpoint	Epochs	MAE ↓	RMSE ↓	Notes
Gdino_test_pape_r_checkpoint	FSC147 (147 classes)	checkpoint_fsc147_best		2.3306	3.9386	Benchmark model trained on FSC147 dataset
Gdino_test_minh_train_20	Pig detection dataset (cleaned)	Grounding Dino SwinB (pretrain gốc từ repo Grounding Dino)	20	0.8388	1.3116	Finetune trên pig detection labeled dataset đã được loại bỏ ảnh thiếu box
Gdino_test_thinh_train_199	Original pig detection dataset	checkpoint_fsc147_best	199	0.9256	1.4412	Fine-tuned trên pig detection dataset hoàn chỉnh

2. Inference valid dataset

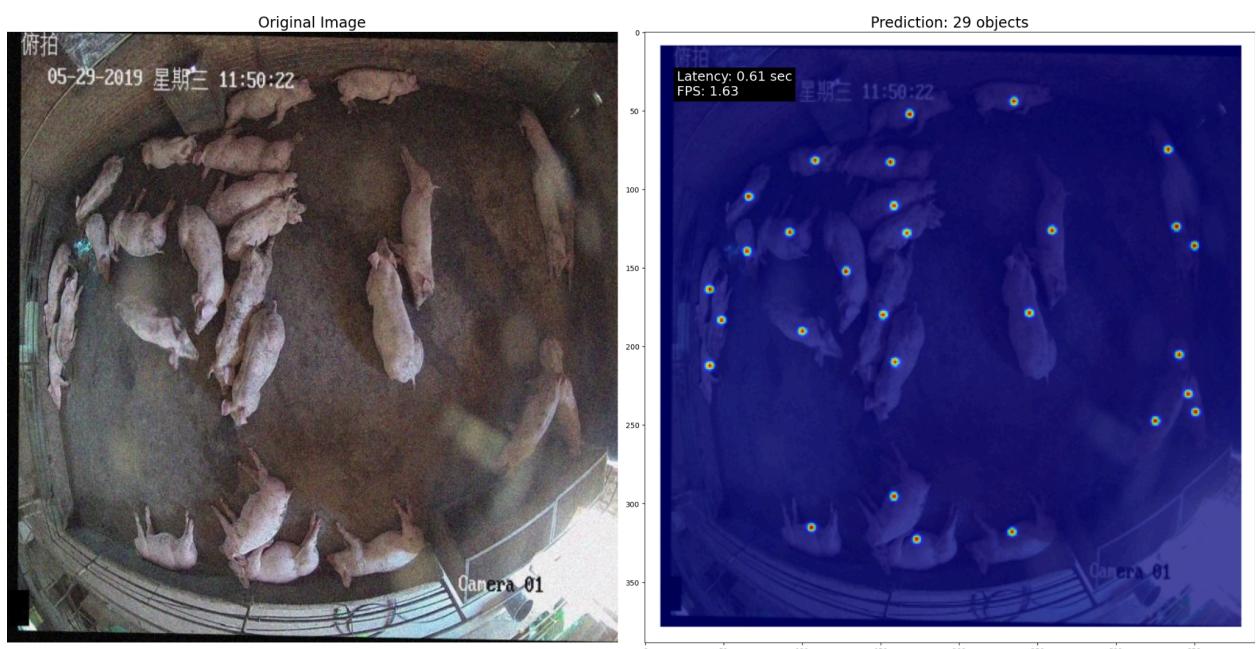
a) 000606_original.jpg

GT Count: 28

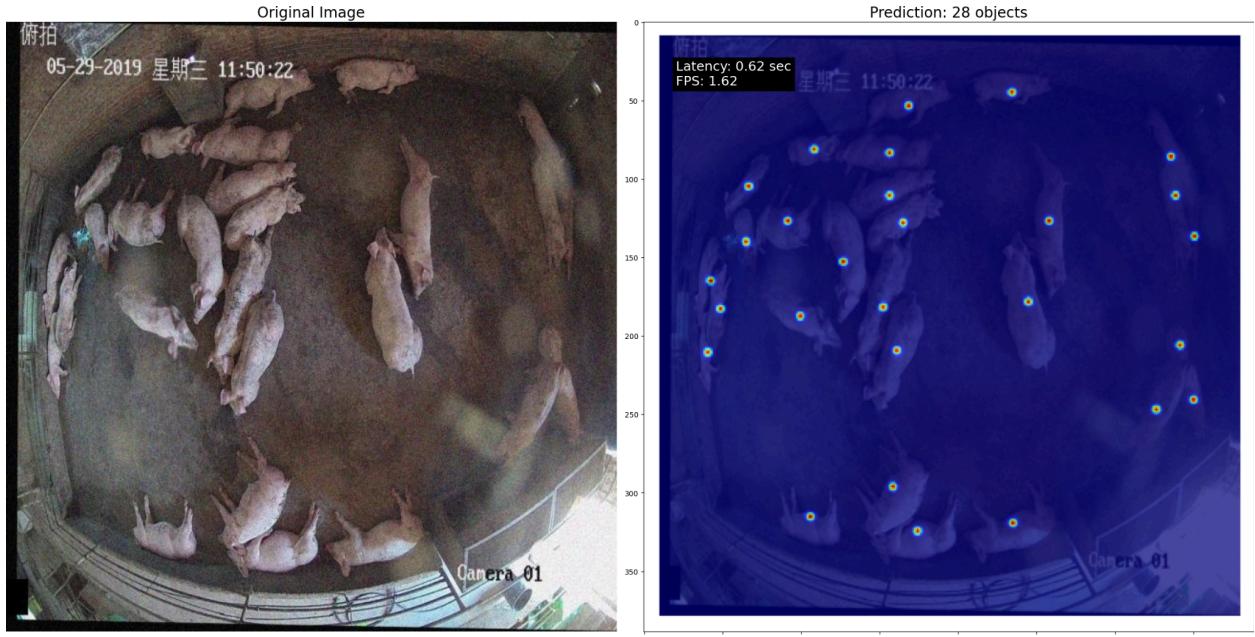
- Gdino_test_paper_checkpoint



- Gdino_test_minh_train_20



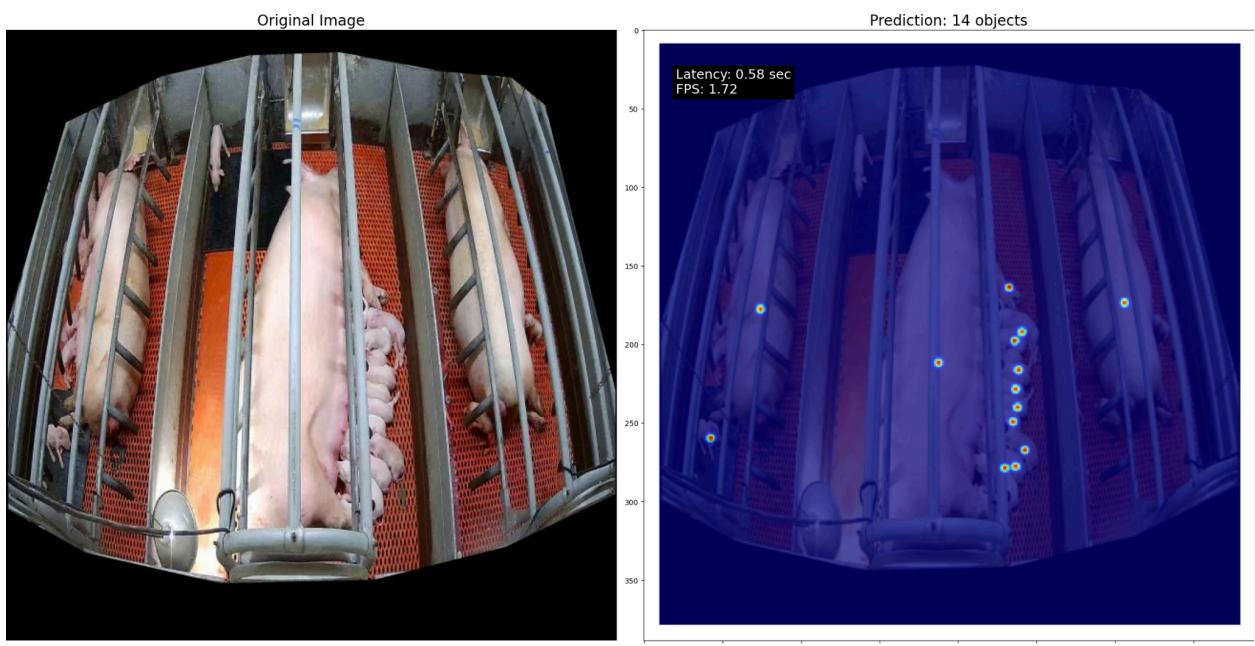
- Gdino_test_thinh_train_199



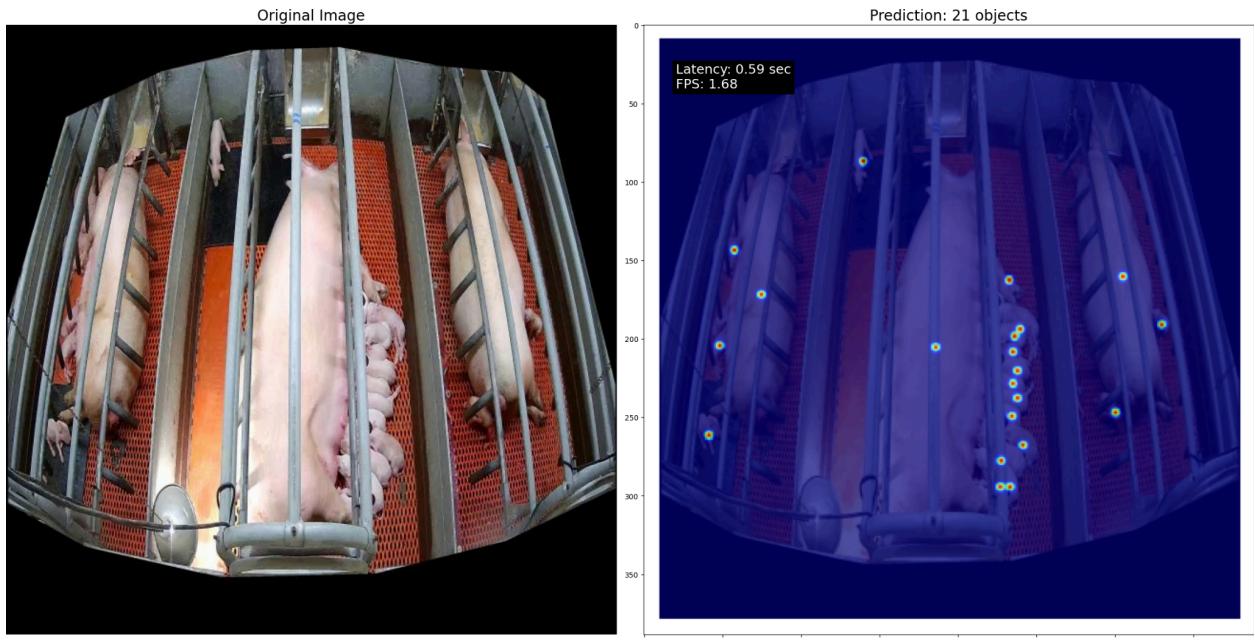
b) 000258_original.jpg

GT Count: 20

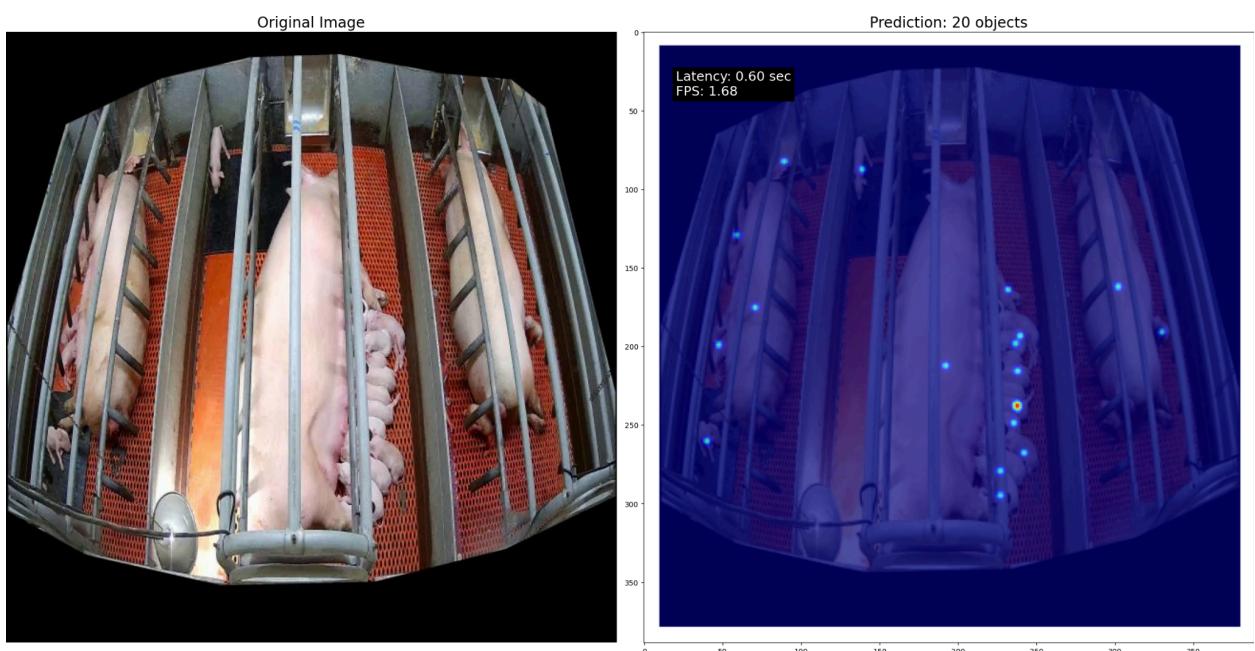
- Gdino_test_paper_checkpoint



- Gdino_test_minh_train_20



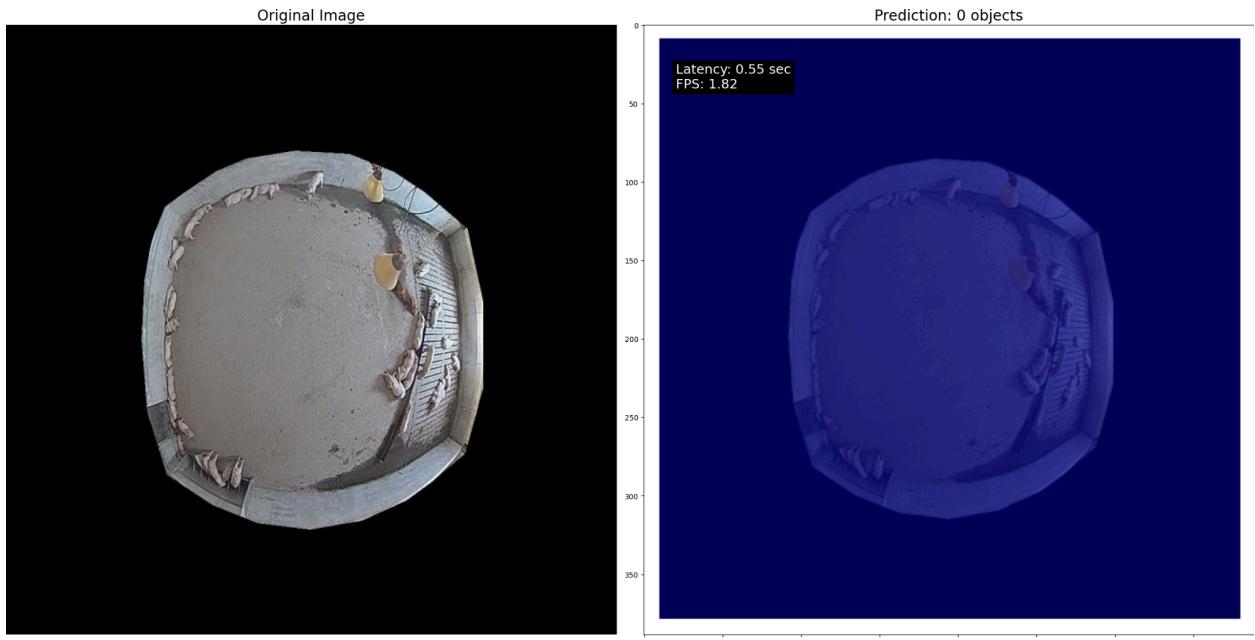
- Gdino_test_thinh_train_199



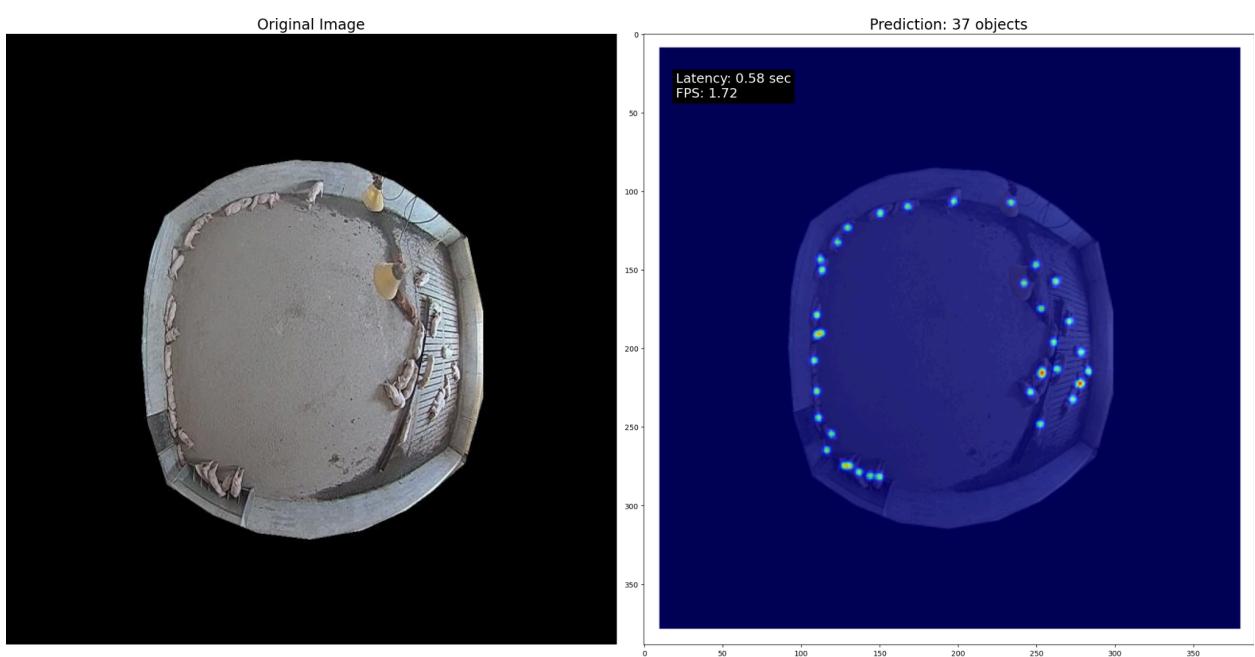
c) 000275_original.jpg

GT Count: 36

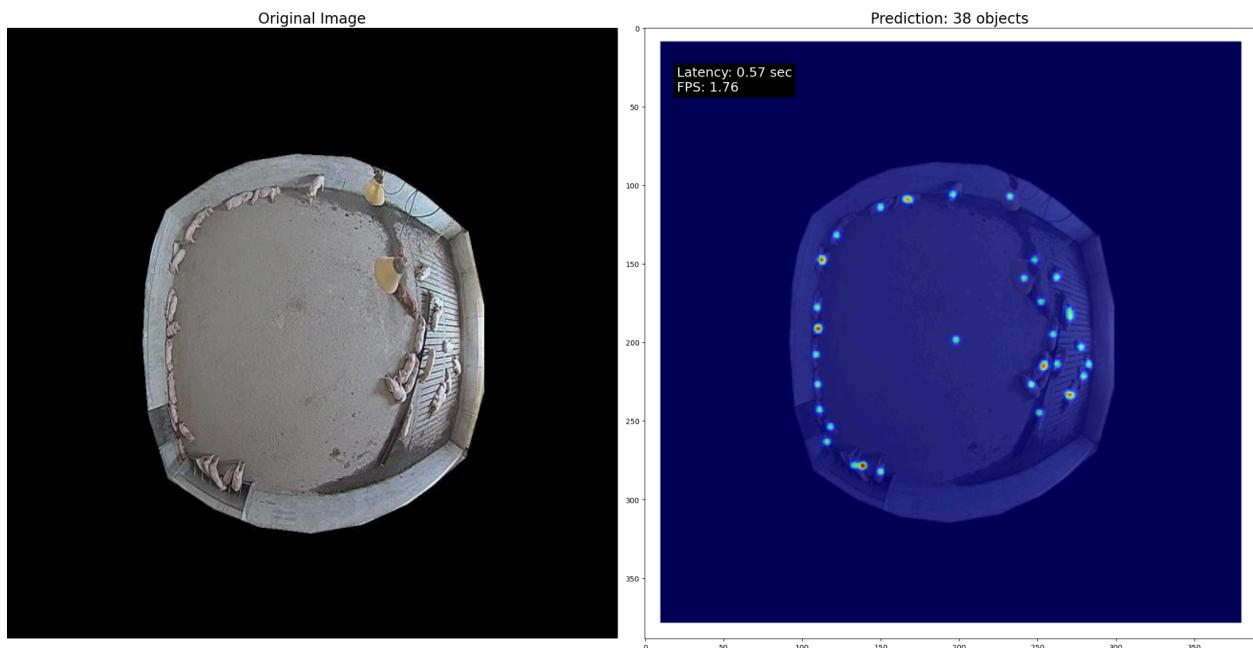
- Gdino_test_paper_checkpoint



- Gdino_test_minh_train_20



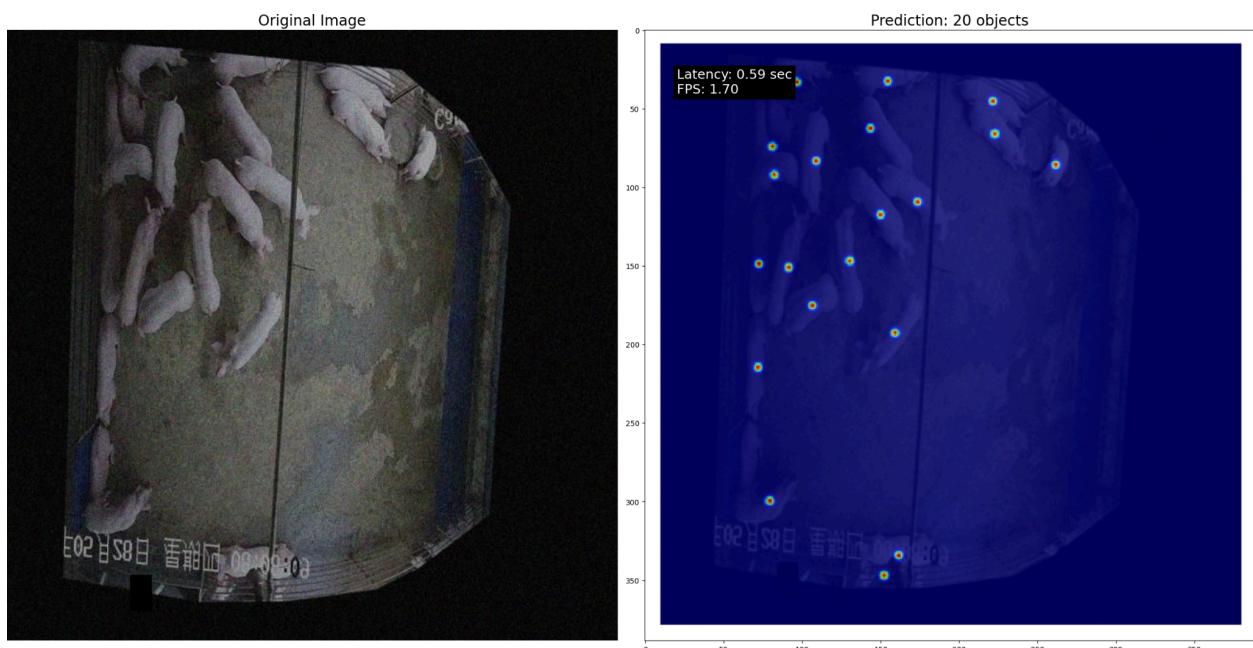
- Gdino_test_thinh_train_199



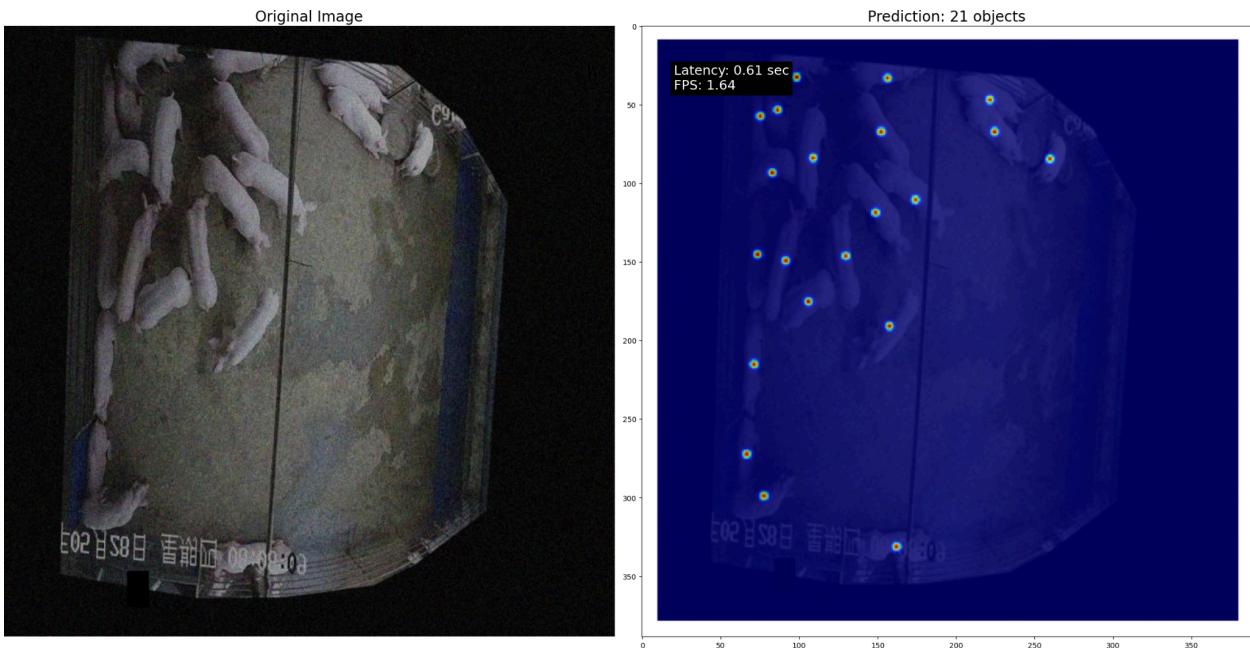
d) 000726_original.jpg

GT Count: 21

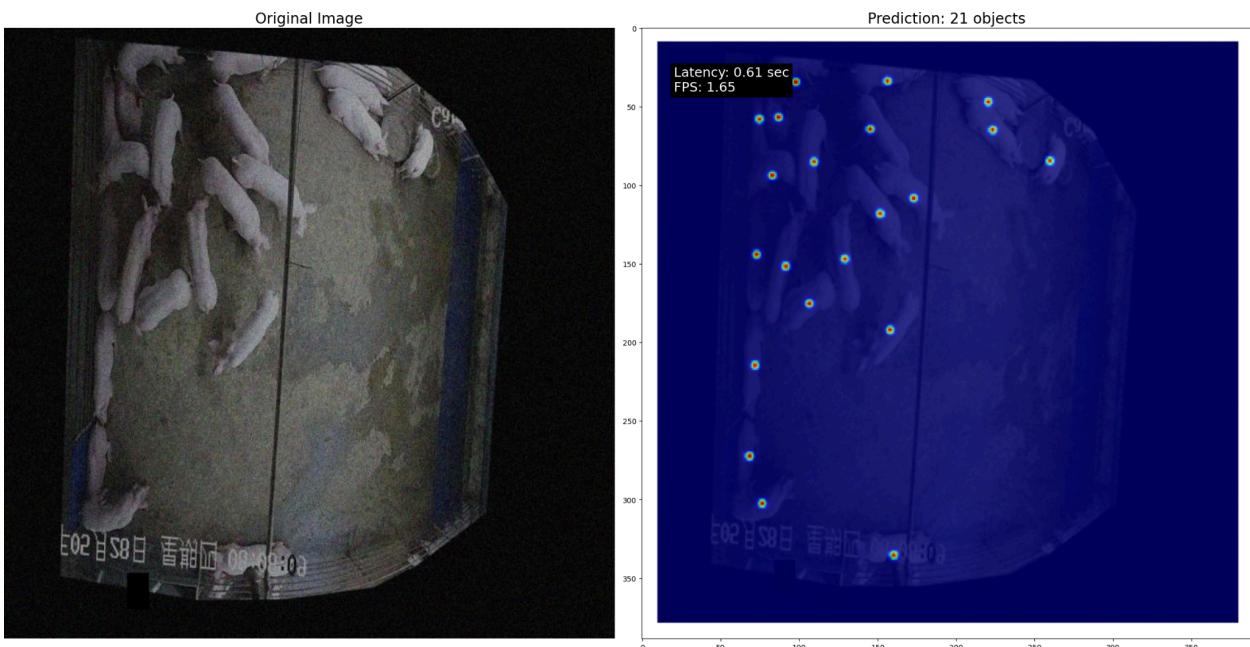
- Gdino_test_paper_checkpoint



- Gdino_test_minh_train_20



- Gdino_test_thinh_train_199



3. Inference mini pig dataset

Inference trên tập dataset ngoài chúa heo con

a) 2023-04-12-09-50-03_2023-04-12-10-05-03_10801.jpg.rf.deefe90123
c636b482dfb12120f5eb3e_combined_results.png

Original Image with Ground Truth



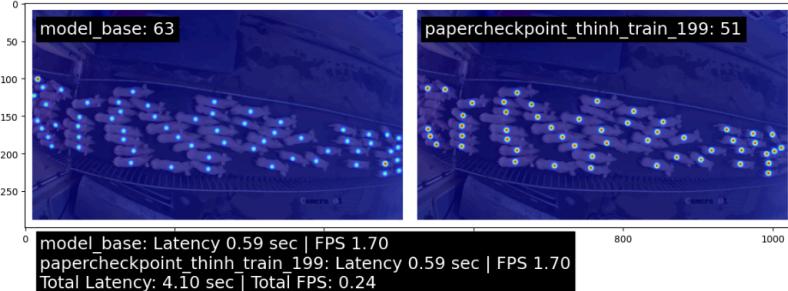
Model Predictions



Original Image with Ground Truth



Model Predictions

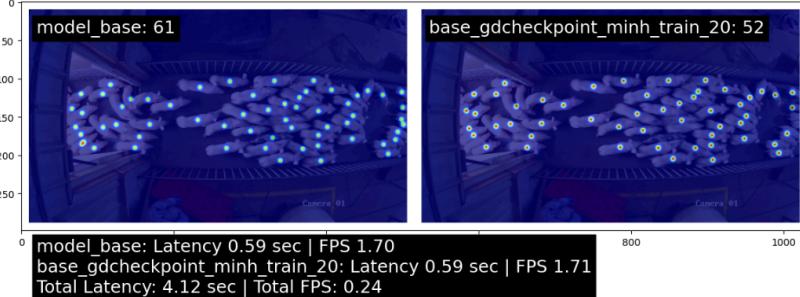


b) 2023-03-17-10-04-48_2023-03-17-10-19-48_1501.jpg.rf.362046606fb
088f3f6b9e6d660764a84_combined_results.png

Original Image with Ground Truth



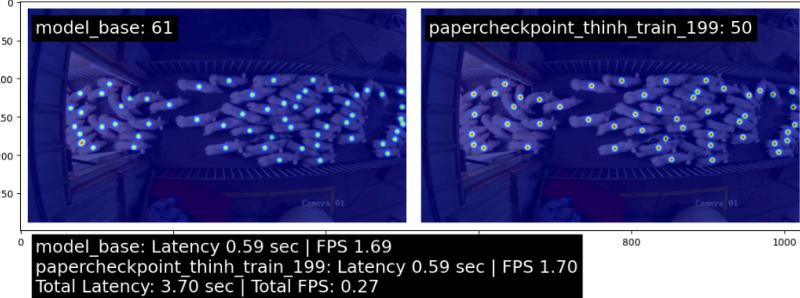
Model Predictions



Original Image with Ground Truth



Model Predictions



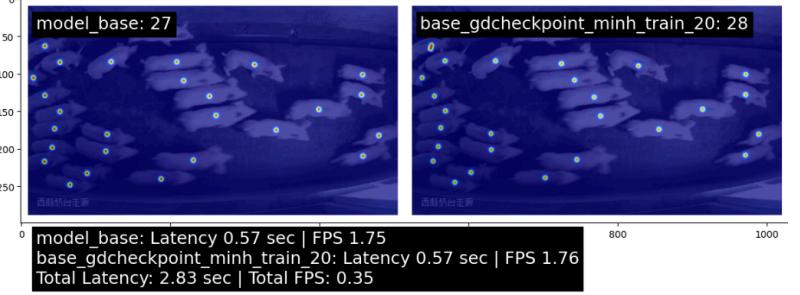
c) 2023-04-21-13-45-37_2023-04-21-14-00-37_1151.jpg.rf.51314d385e5

5464db6b57be75d327a30_combined_results.png

Original Image with Ground Truth



Model Predictions



Original Image with Ground Truth



Model Predictions

