MT-DETR vs. HRFuser: C+L with Tightly-Coupled Fusion: Average Precision (AP) by weather conditions → MT_DETR 59.8 HRFuser Trend (MT_DETR) 58.1 Trend (HRFuser) 56.8 56.6 56.1 54.7 55 -Average Precision (AP) 53.3 52.6 51.8 48.8 46.9 45 44.9 43.8 40 -39.7

Weather Conditions

Day

Night

Dense fog

Day

Snow/rain

Night

Night

Day

Night

Clear weather

Day

Light fog