

Table 1: The detection results on WOD validation set. †: Deformable CenterFormer. ‡ Reported by PVRCNN++.

Method	Frame	Vehicle L1 (mAP/APH)	Vehicle L2 (mAP/APH)	Pedestrian L1 (mAP/APH)	Pedestrian L2 (mAP/APH)	Cyclist L1 (mAP/APH)	Cyclist L2 (mAP/APH)	Mean L2 mAPH
StarNet [28]	1	55.1/54.6	48.7/48.3	68.3/60.9	59.3/52.8	- / -	- / -	-
SECOND [†] [49]	1	72.3/71.7	63.9/63.3	68.7/58.2	60.7/51.3	60.6/59.3	58.3/57.1	57.2
LiDAR R-CNN [20]	1	73.5/73.0	64.7/64.2	71.2/58.7	63.1/51.7	68.6/66.9	66.1/64.4	60.1
Part-A2 [†] [37]	1	77.1/76.5	68.5/68.0	75.2/66.9	66.2/58.6	68.6/67.4	66.1/64.9	63.8
3D-MAN [50]	16	74.5/74.0	67.6/67.1	71.7/67.7	62.6/59.0	- / -	- / -	-
PV-RCNN++ [35]	1	79.1/78.6	70.3/69.9	80.6/74.6	71.9/66.3	73.5/72.4	70.7/69.6	68.6
CenterPoint [53]	1	- / -	- /67.9	- / -	- /65.6	- / -	- /68.6	67.4
CenterPoint [53]	2	- / -	- /69.7	- / -	- /70.3	- / -	- /70.9	70.3
CenterFormer	1	75.0/74.4	69.9/69.4	78.0/72.4	73.1/67.7	73.8/72.7	71.3/70.2	69.1
CenterFormer [†]	1	75.2/74.7	70.2/69.7	78.6/73.0	73.6/68.3	72.3/71.3	69.8/68.8	69.0
CenterFormer	2	77.1/76.6	72.2/71.7	80.9/77.6	76.2/73.0	76.0/75.1	73.6/72.7	72.5
CenterFormer [†]	2	77.0/76.5	72.1/71.6	81.4/78.0	76.7/73.4	76.6/75.7	74.2/73.3	72.8
CenterFormer [†]	4	78.1/77.6	73.4/72.9	81.7/78.6	77.2/74.2	75.6/74.8	73.4/72.6	73.2
CenterFormer [†]	8	78.8/78.3	74.3/73.8	82.1/79.3	77.8/75.0	75.2/74.4	73.2/72.3	73.7