

Table 1: **Simulation benchmark comparison.** We evaluate performance on R2R-CE and RxR-CE Val-Unseen with the indicated observation modalities. * denotes the waypoint predictor from Hong et al. (2022); [†] denotes training without navigation data beyond R2R-CE and RxR-CE. NE is in meters; other scores are percentages. PanoVLN achieves the highest SR and SPL on both benchmarks.

Method	Observation				R2R Val-Unseen				RxR Val-Unseen			
	Pano.	Odo.	Depth	S.RGB	NE↓	OS↑	SR↑	SPL↑	NE↓	SR↑	SPL↑	nDTW↑
CMA* Hong et al. (2022)	✓	✓	✓		6.20	52.0	41.0	36.0	8.76	26.5	22.1	47.0
GridMM* Wang et al. (2023a)	✓	✓	✓		5.11	61.0	49.0	41.0	–	–	–	–
ETPNav* An et al. (2025)	✓	✓	✓		4.71	65.0	57.0	49.0	5.64	54.7	44.8	61.9
HNR* Wang et al. (2024)	✓	✓	✓		4.42	67.0	61.0	51.0	5.50	56.3	46.7	63.5
ScaleVLN* Wang et al. (2023b)	✓	✓	✓		4.80	–	55.0	51.0	–	–	–	–
InstructNav Long et al. (2025)	✓	✓	✓		6.89	–	31.0	24.0	–	–	–	–
LAW Raychaudhuri et al. (2021)		✓	✓	✓	6.83	44.0	35.0	31.0	10.90	8.0	8.0	38.0
CM ² Georgakis et al. (2022)		✓	✓	✓	7.02	41.5	34.3	27.6	–	–	–	–
WS-MGMap Chen et al. (2022)		✓	✓	✓	6.28	47.6	38.9	34.3	–	–	–	–
CMA Krantz et al. (2020)			✓	✓	7.37	40.0	32.0	30.0	–	–	–	–
MapNav [†] Zhang et al. (2025b)		✓	✓	✓	4.93	53.0	39.7	37.2	7.62	32.6	27.7	43.5
StreamVLN [†] Wei et al. (2026b)				✓	5.43	62.5	52.8	47.2	6.72	48.6	42.5	60.2
Aux-Think [†] Wang et al. (2025b)				✓	6.08	60.0	54.8	46.9	6.24	52.2	40.2	–
JanusVLN [†] Zeng et al. (2026)				✓	5.17	58.0	52.8	49.2	6.46	51.4	44.3	59.1
CorrectNav [†] Yu et al. (2026)				✓	4.24	67.5	65.1	62.3	4.09	69.3	63.3	75.2
PanoVLN[†] (Ours)	✓				3.10	79.7	73.9	67.9	3.14	74.1	63.9	71.4
NaVid Zhang et al. (2024)				✓	5.47	49.1	37.4	35.9	–	–	–	–
Uni-NaVid Zhang et al. (2025a)				✓	5.58	53.3	47.0	42.7	6.24	48.7	40.9	–
NaVILA Cheng et al. (2025)				✓	5.22	62.5	54.0	49.0	6.77	49.3	44.0	58.8
StreamVLN Wei et al. (2026b)				✓	4.90	63.6	56.4	50.2	5.65	54.4	45.4	63.7
JanusVLN Zeng et al. (2026)				✓	4.78	65.2	60.5	56.8	6.06	56.2	47.5	62.1
DualVLN Wei et al. (2026a)				✓	4.05	70.7	64.3	58.5	4.58	61.4	51.8	70.0
AwareVLN Guo et al. (2026a)				✓	4.02	73.5	65.4	55.1	3.95	67.6	56.1	65.7
PanoVLN (Ours)	✓				2.83	83.1	77.3	70.6	2.85	78.0	65.9	73.3