	Filtered	Precision	Recall	$AUC_{-}^{F}$ .	$AUC_{010}^{F}$	AUC <sup>F</sup>	aDepth AUC <sup>F</sup>	AUC <sup>E</sup> .	$AUC_{\alpha_{1\alpha}}^{E}$	$AUC_{one}^{E}$	AUCE	Time (s)	Filtered	Precision	Recall	$AUC_{c}^{F}$ .	AUC.	$AUC_{020}^F$	anNet AUC <sup>E</sup>	$AUC_{-}^{E}$ .	$AUC_{\alpha_{1\alpha}}^{E}$	AUCE	AUC <sup>E</sup>	Time (s)
Pipeline ALIKED+LightGlue	0.00	92.94	99.74	40.94	57.17	71.09	56.40	46.37	63.86	77.07	62.43	0.132	0.00	64.89	92.41	4.84	11.48	21.29	12.54	12.78	26.20	40.73	26.57	0.083
+MAGSAC <sub>↑</sub> +MAGSAC <sub>↓</sub> +ACNe	15.79 23.56	95.61 96.17	87.02 79.53	49.17 49.53	64.57 64.59	76.58 76.64	63.44 63.59	45.63 47.53	63.60 65.52	77.59 78.80	62.27 63.95	0.135 0.136	33.07 40.40	67.88 67.89	65.32 57.72	8.47 9.19	18.50 19.05	30.52 <b>30.97</b>	19.16 19.74	12.60 12.79	26.30 26.39	40.53 41.15	26.47 26.78	0.086 0.089
$^{+{\rm MAGSAC}_\uparrow}_{+{\rm MAGSAC}_\downarrow}$	39.55 47.09 51.47	93.59 95.46 95.96	60.93 54.68 50.48	20.23 24.32 24.46	34.04 39.25 39.55	50.21 54.93 56.01	34.83 39.50 40.01	32.28 33.00 34.96	51.00 52.44 53.61	67.70 68.88 69.96	50.33 51.44 52.84	0.148 0.151 0.152	42.99 58.28 62.07	66.91 67.64 67.68	53.91 41.12 37.28	2.92 4.86 4.68	8.63 11.32 10.76	18.42 21.24 21.27	9.99 12.48 12.23	7.15 8.00 8.19	17.18 18.48 17.95	30.08 31.24 31.06	18.14 19.24 19.07	0.093 0.095 0.095
+AdaLAM $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	0.00 15.79 23.56	92.94 95.61 96.17	99.74 87.02 79.53	40.94 49.17 49.53	57.17 64.57 64.59	71.09 76.58 76.64	56.40 63.44 63.59	46.37 45.63 47.53	63.86 63.60 65.52	77.07 77.59 78.80	62.43 62.27 63.95	0.134 0.138 0.139	0.00 33.07 40.40	64.89 67.88 67.89	92.41 65.32 57.72	4.84 8.47 9.19	11.48 18.50 19.05	21.29 30.52 <b>30.97</b>	12.54 19.16 19.74	12.78 12.60 12.79	26.20 26.30 26.39	40.73 40.53 41.15	26.57 26.47 26.78	0.084 0.087 0.090
+CC +MAGSAC <sub>↑</sub> +MAGSAC <sub>1</sub>	17.27 29.40 35.75	86.12 88.14 88.64	82.93 72.86 66.74	29.11 34.56 35.18	43.20 48.96 49.19	57.39 61.61 61.74	43.23 48.38 48.70	38.42 38.95 39.98	55.37 56.38 56.93	68.71 69.48 69.93	54.16 54.94 55.61	2.526 2.530 2.532	34.63 54.84 59.28	53.58 54.68 54.68	59.78 43.62 38.85	3.83 5.62 5.42	9.71 11.59 11.64	18.55 20.59 20.50	10.70 12.60 12.52	8.49 8.90 8.52	18.23 19.02 18.18	28.85 29.43 29.05	18.52 19.12 18.58	1.406 1.408 1.410
+CLNet +MAGSAC† +MAGSAC	14.71 26.33 32.63	93.37 95.33	85.54 75.94	20.53 26.48 27.63	34.12 40.88 41.74	50.49 56.77 57.11	35.04 41.38 42.16	35.87 36.83 38.61	54.44 55.86 57.09	69.86 71.71	53.39 54.80 55.92	0.170 0.175 0.176	47.13 60.28 63.92	67.68 64.06 64.13	49.92 39.14 35.39	1.96 2.82 3.04	4.71 7.50 8.23	11.23 15.38 16.31	5.97 8.57 9.19	6.39 6.70 6.16	15.45 15.47 14.73	26.74 26.01 25.27	16.19 16.06 15.39	0.094 0.096 0.096
+ConvMatch +MAGSAC↑	66.42 70.20	92.97 93.98	33.65 30.58	14.03 15.81	25.57 27.24	40.87 43.14	26.82 28.73	23.99 25.14	41.33 42.59	58.98 60.31	41.43 42.68	0.257 0.260	65.94 75.08	67.58 64.26	33.40 25.88	1.30 2.12	5.09 6.84	13.32 14.43	6.57 7.80	5.31 5.61	13.02 13.60	24.53 24.50	14.29 14.57	0.192 0.193
+MAGSAC↓ +DeMatch +MAGSAC↑	72.56 64.54 68.46	94.39 93.35 94.63	28.31 35.59 32.34	16.92 11.90 14.62	29.22 23.61 26.23	44.25 38.97 40.49	30.13 24.82 27.11	24.73 23.41 23.73	42.88 41.14 41.95	60.47 59.07 60.44	42.69 41.21 42.04	0.261 0.337 0.339	77.14 67.90 76.04	64.36 66.19 63.79	23.71 30.66 24.27	2.66 1.07 1.76	7.08 3.25 4.65	9.02 10.48	8.08 4.45 5.63	5.20 3.62 3.13	12.70 10.00 9.25	23.78 19.32 19.70	13.89 10.98 10.69	0.193 0.252 0.254
+MAGSAC↓ +FC-GNN +MAGSAC↑	70.94 13.95 15.88	95.04 96.81 97.16	29.96 90.52 89.02	15.03 50.53 52.94	26.64 65.54 67.46	77.46 78.86	27.26 64.51 66.42	23.03 48.95 50.15	40.93 66.80 67.26	58.79 79.35 79.52	65.03 65.64	0.340 0.173 0.174	78.03 32.14 40.13	63.86 69.95 70.16	22.26 65.87 59.98	7.23 8.21	4.98 15.99 18.05	10.62 26.74 29.46	5.84 16.65 18.58	3.79 12.24 12.87	9.91 25.16 25.62	19.28 38.74 39.66	10.99 25.38 26.05	0.255 0.099 0.100
+MAGSAC↓ +GMS +MAGSAC₄	17.51 20.28 31.13	97.29 90.42 91.45	87.42 79.96 70.87	58.12 37.25 45.01	<b>67.71</b> 52.99 58.84	79.10 66.68 70.17	52.31 58.01	49.01 42.44 42.47	66.53 58.21 58.99	79.32 70.48 71.53	64.95 57.04 57.67	0.175 0.211 0.214	42.72 53.21 63.30	70.20 64.58 61.66	57.23 47.08 37.05	8.60 2.72 4.05	7.93 9.85	29.63 16.01 18.36	18.82 8.89 10.76	7.03 6.95	25.66 14.82 14.95	39.30 25.08 25.40	25.92 15.64 15.77	0.101 0.136 0.138
+MAGSAC <sub>4</sub> +MS <sup>2</sup> DG-Net +MAGSAC <sub>5</sub>	36.96 70.93	91.91	65.28 29.20	44.31 22.27	58.97 36.25	70.63 53.20	57.97 37.24	42.27 23.05	58.69 38.06	71.39 54.36	57.45 38.49	0.215 0.202	66.96 59.22	61.74 67.53	33.31 35.79	4.03 2.26	10.24 5.53	18.73 13.03	11.00 6.94	7.41 4.46	15.58 10.71	25.91 19.77	16.30 11.65	0.138
+MAGSAC <sub>1</sub> +MCC +MAGSAC <sub>2</sub>	74.78 76.85	95.52 95.99 78.13	26.15 24.17 82.30	23.48 24.16 14.50	37.60 38.29 27.55	53.04 53.76 43.78	38.04 38.74 28.61	22.09 22.49 32.99	38.41 38.85 47.54	56.07 56.71 61.64	38.86 39.35 47.39	0.204 0.205 0.534	69.35 71.37 0.00	68.00 67.95 60.81	28.03 26.04 88.98	3.22 2.46 2.04	7.04 6.65 5.85	14.49 14.13 13.89	8.25 7.74 7.26	4.35 4.58 10.82	9.93 10.49 22.64	19.19 18.91 36.37	11.15 11.33 23.28	0.134 0.134 0.324
+MAGSAC↓ +NCMNet	36.53 42.34 13.27	89.49 89.97 93.43	62.34 57.03 87.04	28.61 29.55 22.55	39.62 40.46 36.29	52.27 52.59 52.45	40.17 40.87 37.10	33.01 34.43 36.29	48.43 49.29 55.67	63.06 63.44 70.99	48.17 49.06 54.32	0.558 0.570 0.292	40.07 45.67 44.35	66.88 66.79 67.62	59.09 52.98 52.84	6.90 6.89	15.18 15.51 5.44	25.56 26.07	15.88 16.16 6.50	11.30 11.09 7.04	22.89 23.07 15.88	36.85 36.47 27.77	23.68 23.54 16.90	0.331 0.338 0.208
+MAGSAC↓ +MAGSAC↓ +OANet	25.16 31.60 <b>89.75</b>	95.36 95.88 94.33	77.16 71.02	27.54 27.80 4.01	42.24 43.13 9.55	57.59 58.86 20.89	42.46 43.26 11.48	36.33 37.89	54.95 56.77 21.59	71.06 72.35	54.11 55.67 23.01	0.296 0.297 0.185	58.17 62.13	64.38 64.43 66.18	41.39 37.28 10.56	3.30 3.29 0.66	8.08 7.71 1.80	15.82 15.29 5.90	9.06 8.76 2.79	6.65 6.81	14.77 16.02 4.07	26.02 27.08	15.81 16.64 5.34	0.210 0.211 0.126
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	90.64 91.12	94.67 94.92	9.65 9.18	4.69 5.38	10.71 11.71	21.60 23.26	12.34	10.90 10.22	23.42 21.80	39.12 38.44	24.48 23.49	0.187 0.187	92.61 92.91	53.41 53.36	7.23	0.70 0.58	1.82	5.72 5.62	2.74	1.35	4.05	10.44 11.27	5.28	0.127 0.127
+MOP <sub>0.5K</sub> +MiHo +MAGSAC <sub>↑</sub> +MAGSAC <sub>⊥</sub>	0.70 15.97 23.70	92.93 95.57	99.16 86.80 79.37	41.18 49.20 49.46	57.72 64.37 64.40	71.80 76.52 76.50	56.90 63.36 63.45	47.15 46.59 47.43	64.50 64.01	77.64 77.60 78.82	63.10 62.74 63.91	1.548 1.551 1.552	11.51 37.60 44.80	64.79 67.67 67.76	86.99 63.07 55.71	5.47 8.59 8.88	12.78 18.30 18.77	22.88 30.14 30.47	13.71 19.01	12.77 12.78 12.76	25.91 26.29 26.30	40.00 40.21 40.71	26.23 26.43 26.50	1.215 1.218 1.220
+MOP <sub>0.5K</sub> +MiHo+NCC +MAGSAC <sub>↑</sub> +MAGSAC <sub>↓</sub>	0.70 21.49 25.56	88.01 96.19	94.38 82.20	19.13 44.23 44.67	33.82 58.33 59.50	50.22 71.32	34.39 57.96 59.02	47.25 47.98 48.01	65.20 65.59	78.72 78.87	63.73 64.15	1.914 1.918 1.919	11.51 39.76 44.81	62.26 67.26	85.56 61.56 56.43	2.71 8.93	7.19 19.02	16.57 30.44	8.82 19.46	13.43 12.80	27.30 26.06	41.13 39.77	27.29 26.21	1.395 1.398 1.401
+MOP <sub>1.0K</sub> +MiHo +MAGSAC <sub>↑</sub> +MAGSAC <sub>↓</sub>	0.64 15.94 23.66	92.99 95.65	99.29 86.91	41.02 49.29	57.51 64.42	71.67 76.44	56.73 63.38	46.99 46.27	64.55 63.76	77.62 77.44	63.05 62.49	2.546 2.550 2.551	11.42 37.55 44.73	64.76 67.70	86.89 63.16	5.23 8.47 9.15	12.71 18.39 18.88	22.69 30.31	13.54 19.06	12.96 12.69 12.46	26.11 26.31	39.99 40.63	26.35 26.54	2.111 2.114 2.116
+MOP <sub>1.0K</sub> +MiHo+NCC +MAGSAC <sub>↑</sub> +MAGSAC <sub>↓</sub>	0.64 21.44 25.52	88.12 96.30 96.68	79.50 94.60 82.41 78.51	49.60 19.22 44.61 45.15	33.88 58.44 59.58	50.27 71.13 72.75	34.46 58.06 59.16	47.39 47.92 47.79 48.13	65.66 65.53 66.22	78.92 78.87 78.80	64.17 64.06 64.38	2.914 2.917 2.918	11.42 39.86 44.87	67.79 62.32 67.23 67.37	55.87 85.76 61.01 55.87	2.44 8.53 8.91	6.66 18.66 19.84	30.28 16.11 30.04 31.36	8.40 19.08 20.03	13.48 12.53 12.96	25.94 25.91 26.52	41.72 39.79 40.52	27.62 26.08 26.67	2.291 2.295 2.298
+MOP <sub>1.5K</sub> +MiHo +MAGSAC <sub>↑</sub> +MAGSAC	0.61 15.91 23.66	92.96 95.63 96.17	99.29 86.92	41.08 49.13 49.54	57.50 64.36 64.48	71.55 76.47	56.71 63.32	47.15 46.06 47.27	64.64 63.58	77.80 77.45	63.20 62.36	3.413 3.416 3.417	11.15 37.50 44.61	64.71 67.59 67.63	87.10 62.98	5.20 8.40 8.98	12.73 18.41	22.68 30.29	13.54 19.03 19.24	12.94 12.27 12.60	26.16 26.01	40.00 40.36	26.37 26.21	2.881 2.884 2.886
+MOP <sub>1.5K</sub> +MiHo+NCC +MAGSAC <sub>↑</sub> +MAGSAC	0.61 21.41 25.51	88.07 96.28	94.59 82.41	19.14 44.68 45.30	33.86 58.90	50.26 71.67	34.42 58.41	47.10 48.03	65.00 66.16	78.48 79.40	63.53 64.53	3.780 3.784	11.15 39.76	62.23 67.16	85.75 61.07	2.54 8.80 8.74	6.87 18.81 19.38	15.98 30.19	8.46 19.27	13.75 12.29	27.89 25.76	42.04 39.70	27.89 25.92	3.065 3.068 3.071
+MOP <sub>2.0K</sub> +MiHo +MAGSAC <sub>↑</sub> +MAGSAC <sub>↓</sub>	0.62 15.89	92.97 95.64	99.29 86.95	41.13 49.21	57.44 64.34	72.95 71.59 76.49	56.72 63.35	46.87 46.28	64.46 63.80	77.53 77.61	62.95 62.56	4.141 4.145	44.73 11.16 37.51	64.72 67.62	87.07 62.98	5.30 8.54	12.75 18.58	22.75 30.64	13.60 19.25	12.55 12.17	25.67 25.96	39.61 40.42	25.94 26.18	3.683 3.686
+MOP <sub>2.0K</sub> +MiHo+NCC +MAGSAC <sub>↑</sub> +MAGSAC <sub>1</sub>	23.66 0.62 21.46	96.18 88.05 96.24	79.49 94.50 82.26	19.29 44.62	33.83 58.78	76.42 50.16 71.65	34.43 58.35	47.70 47.22 47.90	65.07 65.97	78.47 79.25	63.59 64.37	4.146 4.560 4.564	44.58 11.16 39.75	67.65 62.24 67.17	85.77 61.07	2.57 8.54	6.98 18.42	30.46 15.95 29.64	8.50 18.87	13.41 12.31	25.74 27.43 25.63	40.15 42.00 39.27	26.10 27.61 25.74	3.688 3.919 3.923
$+MOP_{0.5K}$ $+MAGSAC\uparrow$	25.51 1.30 16.33	96.60 93.00 95.57	78.37 98.87 86.61	44.82 41.48 48.29	59.14 57.73 63.74	72.40 71.62 75.97	58.78 56.94 62.67	47.73 46.61 46.60	65.75 64.08 64.16	78.32 77.63 77.91	63.93 62.77 62.89	4.565 2.553 2.557	44.76 18.41 41.35	67.18 64.26 66.73	55.79 81.42 59.98	9.08 5.45 8.08	19.57 12.76 18.18	30.79 22.86 29.91	13.69 18.72	13.37 12.29 12.02	26.82 25.29 26.02	40.51 39.13 40.30	26.90 25.57 26.12	3.926 1.656 1.658
+MAGSAC $_{\downarrow}$ +MOP <sub>0.5K</sub> +NCC +MAGSAC $_{\uparrow}$	24.06 1.30 22.12	96.11 87.81 96.03	79.18 93.70 81.54	48.91 18.33 42.49	32.66 57.10	76.18 49.00 70.23	33.33 56.61	47.29 47.92 47.71	64.91 64.83 65.82	78.38 78.33 79.07	63.53 63.69 64.20	2.558 2.919 2.923	48.22 18.41 43.35	66.68 61.64 66.26	52.76 79.73 58.46	2.38 7.95	6.85 17.21	29.46 15.08 28.10	8.10 17.75	12.71 13.30 12.80	25.78 26.52 25.98	39.80 40.00 39.75	26.09 26.60 26.17	1.660 1.826 1.828
$+MAGSAC_{\downarrow}$ $+MOP_{1.0K}$ $+MAGSAC_{\uparrow}$	26.28 1.23 16.26	96.39 92.99 95.58	77.57 98.92 86.70	44.15 41.47 48.28	58.23 57.56 63.65	71.00 71.51 76.07	57.79 56.85 62.67	47.34 46.47 46.66	65.34 63.71 63.98	78.93 77.13 77.74	63.87 62.44 62.79	2.923 4.284 4.288	48.00 17.88 41.22	66.25 64.28 66.72	53.62 81.88 60.06	8.35 5.27 8.33	17.63 12.66 17.95	28.46 23.07 29.62	18.15 13.67 18.63	12.38 12.18 11.75	25.74 25.42 25.60	39.37 39.22 39.71	25.83 25.61 25.69	2.973 2.975
+MAGSAC↓ +MOP <sub>1.0K</sub> +NCC +MAGSAC↑	24.01 1.23 22.10	96.14 87.78 96.00	79.25 93.73 81.51	48.67 18.57 42.75	64.00 32.74 57.06	76.15 48.58 70.37	62.94 33.30 56.73	47.22 47.64 48.89	65.44 65.02 66.84	78.75 78.35 79.78	63.80 63.67 <b>65.17</b>	4.289 4.650 4.654	48.07 17.88 43.14	66.76 61.66 66.40	52.92 80.22 58.71	8.47 2.28 8.01	18.20 6.58 17.41	29.75 14.24 28.31	7.70 17.91	12.98 12.95 11.97	25.88 25.90 24.71	39.79 39.46 38.92	26.22 26.11 25.20	2.977 3.145 3.148
$+MAGSAC_{\downarrow}$ $+MOP_{1.5K}$ $+MAGSAC_{\uparrow}$	26.30 1.26 16.28	96.37 93.00 95.59	77.52 98.91 86.67	44.46 41.60 48.65	58.56 57.65 64.04	71.29	58.10 56.92 62.99	46.41 47.15 46.07	64.31 64.05 63.62	78.16 77.27	62.96 62.82 62.38	4.655 5.570 5.573	47.90 17.69 41.05	66.32 64.31 66.70	53.70 82.16 60.31	7.98 5.35 8.11	17.22 12.90 17.85	28.54 23.28 29.46	17.92 13.84 18.47	11.50 12.25 12.00	25.15 25.77 25.02	39.37 39.55 38.89	25.34 25.86 25.30	3.151 4.052 4.054
+MAGSAC <sub>1</sub> +MOP <sub>1.5K</sub> +NCC +MAGSAC <sub>2</sub>	24.04 1.26	96.14 87.79	79.23 93.73	49.08 18.50	64.32 32.51	76.27 76.14 48.49	63.18 33.17	46.07 47.16 47.40	64.78 65.18	78.18 78.58	62.38 63.38	5.574 5.935	47.96 17.69	66.77 61.72	53.18 80.53	8.30 2.56	18.02 6.92	29.46 29.74 15.16	18.69 8.22	12.37 13.84	25.02 25.25 26.82	38.89 39.15 40.15	25.59 26.94	4.056 4.225
+MAGSAC↓ +MAGSAC↓ +MOP <sub>2.0K</sub>	22.15 26.34	95.99 96.34 92.99	81.48 77.47 98.92	42.42 43.73 41.59	57.16 57.60	70.65 70.50 71.66	56.74 57.27 57.03	47.55 45.66 47.62	65.86 64.55 64.44	79.13 78.62 77.40	64.18 62.94 63.15	5.939 5.939 6.791	43.03 47.82	66.46 66.48	59.09 54.12 82.06	7.93 7.98 5.06	17.83 17.59	29.30 28.94 23.06	18.35 18.17	12.31 12.39	25.92 26.10 25.53	39.89 39.91 39.68	26.04 26.13 25.72	4.228 4.230 4.989
+MAGSAC <sub>↑</sub> +MAGSAC <sub>↓</sub> +MOPans+NCC	16.25 24.01	95.59 96.14	86.71 79.26	48.64 49.08	63.98 64.35	76.26 76.31	62.96 63.25	45.64 47.58	63.56 65.18	77.39 78.44	62.19 63.73	6.794 6.795	41.14 47.98	66.69 66.81	60.19 53.10	7.88 8.27	17.52 17.83	29.23 29.48	18.21 18.53	12.03 12.18	24.93 25.43	39.12 39.31	25.36 25.64	4.992 4.994
$+MOP_{2.0K}+NCC$ $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	1.24 22.12 26.34	87.79 95.99 96.38	93.72 81.47 77.47	18.51 42.66 43.94	32.55 57.13 57.62	48.55 70.47 70.35	33.20 56.75 57.30	46.52 46.80 46.63	64.72 65.61 65.07	78.31 79.08 78.95	63.18 63.83 63.55	7.207 7.211 7.212	17.71 43.08 47.79	61.70 66.38 66.37	80.44 58.77 53.80	2.43 7.90 7.96	6.62 17.71 17.62	14.85 29.26 29.12	7.96 18.29 18.23	18.81 12.04 12.31	26.63 25.46 25.95	40.03 39.56 39.64	26.82 25.69 25.97	5.210 5.213 5.216