

Pipeline	MegaDepth						ScanNet					
	Filtered	Precision	Recall	AUC $F_2$	AUC $F_z$		Filtered	Precision	Recall	AUC $F_2$	AUC $F_z$	
SuperPoint+LightGlue	0.00	88.66	<b>90.87</b>	48.56	62.29		0.00	68.85	<b>94.17</b>	17.15	<b>34.09</b>	
+ACNe	42.04	89.49	58.63	33.69	48.72	44.96	70.55	52.54	13.83	24.59		
+ACNe+MAGSAC $_{\tau}$	59.96	93.97	43.44	36.47	52.08	61.77	71.16	38.42	15.54	24.79		
+ACNe+MAGSAC $_i$	66.74	94.74	36.66	36.30	53.93	66.72	71.15	33.24	15.78	25.00		
+AdaLAM	0.00	88.66	<b>90.87</b>	48.56	62.29	0.00	68.85	<b>94.17</b>	17.15	<b>34.09</b>		
+AdaLAM+MAGSAC $_{\tau}$	34.00	94.31	71.87	53.76	64.00	33.99	71.18	65.04	24.41	<b>34.66</b>		
+AdaLAM+MAGSAC $_i$	45.44	95.19	60.45	<b>54.72</b>	64.29	43.55	<b>71.42</b>	55.56	25.49	<b>34.37</b>		
+CC	17.92	84.60	82.75	36.02	53.42	31.26	61.26	64.27	14.77	26.35		
+CC+MAGSAC $_{\tau}$	44.67	89.24	60.19	40.82	55.92	52.45	62.32	46.56	17.69	26.77		
+CC+MAGSAC $_i$	54.33	90.03	50.48	40.81	56.63	58.81	62.54	40.34	17.73	26.85		
+CLNet	19.55	89.44	81.13	27.08	50.02	45.98	71.39	51.40	9.34	20.35		
+CLNet+MAGSAC $_{\tau}$	45.29	93.97	59.28	32.55	53.93	60.94	69.97	39.00	10.93	20.12		
+CLNet+MAGSAC $_i$	54.75	94.80	49.83	33.36	54.69	65.90	70.05	33.94	10.76	20.64		
+ConvMatch	64.96	89.94	35.76	21.67	35.81	64.24	71.05	34.93	10.85	20.04		
+ConvMatch+MAGSAC $_{\tau}$	74.04	92.63	27.85	24.90	36.90	73.97	69.34	26.99	11.68	20.11		
+ConvMatch+MAGSAC $_i$	78.23	<b>93.25</b>	23.65	24.48	39.04	77.00	69.36	23.86	11.48	20.10		
+DeMatch	64.35	89.69	36.17	21.88	33.31	67.89	71.10	31.38	6.81	16.09		
+DeMatch+MAGSAC $_{\tau}$	74.08	93.01	27.74	23.72	37.52	75.98	70.07	24.90	7.87	16.30		
+DeMatch+MAGSAC $_i$	78.25	<b>93.67</b>	23.57	24.25	37.78	78.69	70.20	22.07	7.62	16.94		
+FC-GNN	21.72	96.58	89.27	63.35	67.09	28.65	<b>72.29</b>	68.86	21.54	<b>31.93</b>		
+FC-GNN+MAGSAC $_{\tau}$	23.84	<b>97.06</b>	87.42	<b>65.43</b>	66.63	38.19	<b>72.78</b>	62.07	24.97	32.45		
+FC-GNN+MAGSAC $_i$	25.66	<b>97.23</b>	85.55	<b>65.53</b>	67.18	41.65	<b>72.86</b>	58.52	25.26	32.93		
+GMS	24.63	84.86	75.72	44.13	55.57	51.96	67.85	48.25	14.52	23.61		
+GMS+MAGSAC $_{\tau}$	49.29	87.83	54.77	48.62	55.58	63.63	67.18	37.04	16.93	24.11		
+GMS+MAGSAC $_i$	57.92	88.55	46.14	47.76	58.03	68.71	67.31	31.86	16.43	23.12		
+MAGSAC $_{\tau}$	34.00	94.31	71.87	53.76	64.00	33.99	71.18	65.04	24.41	<b>34.66</b>		
+MAGSAC $_i$	45.44	95.19	60.45	<b>54.72</b>	64.29	43.55	71.42	55.56	25.49	<b>34.37</b>		
+MS <sup>2</sup> DG-Net	71.15	89.88	29.41	35.26	34.51	61.19	71.24	34.95	12.64	18.15		
+MS <sup>2</sup> DG-Net+MAGSAC $_{\tau}$	79.63	94.13	22.19	32.32	37.98	72.03	72.00	26.90	13.28	17.95		
+MS <sup>2</sup> DG-Net+MAGSAC $_i$	82.92	94.88	18.87	31.82	41.63	74.94	72.01	23.97	13.14	18.07		
+NCC	0.00	78.17	87.75	33.02	59.08	0.00	64.70	<b>90.34</b>	13.06	<b>34.18</b>		
+NCC+MAGSAC $_{\tau}$	38.11	92.62	66.90	52.89	59.65	40.72	70.90	58.52	26.37	<b>34.69</b>		
+NCC+MAGSAC $_i$	44.26	93.07	60.82	52.49	59.70	47.23	71.18	52.18	26.42	<b>34.94</b>		
+NCMNet	16.61	89.43	84.09	28.35	50.27	42.15	70.94	54.83	9.16	21.62		
+NCMNet+MAGSAC $_{\tau}$	43.43	93.80	61.37	33.79	53.32	58.05	69.35	41.90	12.65	21.70		
+NCMNet+MAGSAC $_i$	53.17	94.60	51.60	34.25	54.21	63.59	69.45	36.35	12.86	22.44		
+OANet	<b>90.36</b>	90.47	9.96	10.06	16.34	<b>88.26</b>	69.67	10.77	4.45	6.97		
+OANet+MAGSAC $_{\tau}$	<b>92.31</b>	91.16	8.25	9.95	17.25	<b>91.95</b>	61.88	7.96	4.02	7.48		
+OANet+MAGSAC $_i$	<b>93.12</b>	91.42	7.33	10.16	17.18	<b>92.44</b>	61.93	7.49	3.99	7.93		
+MOP $_{0.5K}$ +MiHo	0.26	88.72	90.70	48.42	62.01	7.54	68.51	<b>90.89</b>	17.83	33.65		
+MOP $_{0.5K}$ +MiHo+MAGSAC $_{\tau}$	33.99	94.31	71.85	53.56	63.87	36.70	71.09	63.98	24.24	<b>34.13</b>		
+MOP $_{0.5K}$ +MiHo+MAGSAC $_i$	45.50	95.20	60.38	<b>54.32</b>	64.31	46.20	71.31	54.47	24.92	<b>34.25</b>		
+MOP $_{0.5K}$ +MiHo+NCC	0.26	85.92	99.27	36.93	68.75	7.54	65.48	<b>88.10</b>	14.33	35.74		
+MOP $_{0.5K}$ +MiHo+NCC+MAGSAC $_{\tau}$	25.28	96.35	84.96	63.66	68.41	39.50	70.92	61.40	28.36	35.17		
+MOP $_{0.5K}$ +MiHo+NCC+MAGSAC $_i$	29.75	96.73	80.46	64.16	68.58	45.40	71.10	55.59	<b>20.14</b>	<b>36.44</b>		
+MOP $_{1.0K}$ +MiHo	0.24	88.72	<b>90.72</b>	48.73	62.23	7.51	68.46	<b>90.88</b>	17.70	33.76		
+MOP $_{1.0K}$ +MiHo+MAGSAC $_{\tau}$	33.98	94.30	71.89	53.76	63.64	36.68	71.02	63.89	24.32	34.43		
+MOP $_{1.0K}$ +MiHo+MAGSAC $_i$	45.48	95.22	60.42	54.33	64.04	46.14	71.23	54.39	25.09	34.24		
+MOP $_{1.0K}$ +MiHo+NCC	0.24	85.93	99.30	36.97	<b>60.60</b>	7.51	65.40	<b>88.02</b>	14.08	34.79		
+MOP $_{1.0K}$ +MiHo+NCC+MAGSAC $_{\tau}$	25.27	96.37	85.00	63.09	68.64	39.52	70.86	61.35	28.19	35.57		
+MOP $_{1.0K}$ +MiHo+NCC+MAGSAC $_i$	29.70	96.76	80.54	<b>64.12</b>	68.80	45.42	71.03	55.57	<b>20.15</b>	<b>36.47</b>		
+MOP $_{1.5K}$ +MiHo	0.25	88.72	90.71	48.43	62.40	7.50	68.46	<b>90.79</b>	18.09	33.67		
+MOP $_{1.5K}$ +MiHo+MAGSAC $_{\tau}$	34.02	94.33	71.86	53.71	63.31	36.69	71.05	63.90	24.32	<b>34.83</b>		
+MOP $_{1.5K}$ +MiHo+MAGSAC $_i$	45.47	95.23	60.44	54.61	64.18	46.11	71.21	54.30	25.17	34.42		
+MOP $_{1.5K}$ +MiHo+NCC	0.25	85.93	99.28	36.60	<b>60.67</b>	7.50	65.39	<b>88.03</b>	14.44	35.31		
+MOP $_{1.5K}$ +MiHo+NCC+MAGSAC $_{\tau}$	25.28	96.34	84.96	63.67	67.78	39.50	71.03	61.68	28.24	35.24		
+MOP $_{1.5K}$ +MiHo+NCC+MAGSAC $_i$	29.70	96.72	80.48	<b>64.31</b>	68.04	45.45	71.14	55.74	29.01	35.79		
+MOP $_{2.0K}$ +MiHo	0.24	88.72	90.72	48.52	62.24	7.54	68.46	<b>90.78</b>	17.86	33.78		
+MOP $_{2.0K}$ +MiHo+MAGSAC $_{\tau}$	34.00	94.33	71.87	53.67	63.76	36.69	71.04	63.91	24.36	34.77		
+MOP $_{2.0K}$ +MiHo+MAGSAC $_i$	45.47	95.21	60.43	54.60	64.10	46.15	71.29	54.38	25.04	34.80		
+MOP $_{2.0K}$ +MiHo+NCC	0.24	85.92	99.28	36.52	<b>60.41</b>	7.54	65.39	<b>87.94</b>	14.11	35.31		
+MOP $_{2.0K}$ +MiHo+NCC+MAGSAC $_{\tau}$	25.28	96.35	84.97	63.78	68.09	39.52	70.95	61.48	28.48	35.66		
+MOP $_{2.0K}$ +MiHo+NCC+MAGSAC $_i$	29.70	<b>96.76</b>	80.52	64.11	68.02	45.46	71.10	55.58	<b>20.13</b>	<b>36.23</b>		
+MOP $_{0.5K}$	0.86	88.80	90.24	48.54	62.28	11.75	68.48	<b>87.87</b>	18.14	32.82		
+MOP $_{0.5K}$ +MAGSAC $_{\tau}$	34.24	94.31	71.62	53.67	63.78	39.07	70.74	62.15	24.31	33.87		
+MOP $_{0.5K}$ +MAGSAC $_i$	45.73	95.15	60.10	53.98	64.06	48.42	70.95	52.63	24.49	33.82		
+MOP $_{0.5K}$ +NCC	0.86	85.72	98.37	36.11	66.74	11.75	65.35	85.27	14.29	34.92		
+MOP $_{0.5K}$ +NCC+MAGSAC $_{\tau}$	25.98	96.13	83.90	62.34	67.55	41.55	70.72	60.33	28.09	35.65		
+MOP $_{0.5K}$ +NCC+MAGSAC $_i$	30.38	96.58	79.52	63.66	66.77	47.18	70.84	54.65	28.52	35.70		
+MOP $_{1.0K}$	0.79	88.86	90.34	48.41	62.71	11.41	68.45	<b>88.09</b>	18.33	33.06		
+MOP $_{1.0K}$ +MAGSAC $_{\tau}$	34.17	94.35	71.69	53.84	63.19	38.88	70.65	62.19	24.04	33.63		
+MOP $_{1.0K}$ +MAGSAC $_i$	45.70	95.21	60.16	53.82	64.36	48.21	70.88	52.69	24.48	33.90		
+MOP $_{1.0K}$ +NCC	0.79	85.78	98.47	36.15	65.95	11.41	65.32	85.46	14.19	34.30		
+MOP $_{1.0K}$ +NCC+MAGSAC $_{\tau}$	25.90	96.28	84.10	62.83	67.21	41.35	70.73	60.45	29.07	35.37		
+MOP $_{1.0K}$ +NCC+MAGSAC $_i$	30.35	96.71	79.60	63.17	67.14	47.17	70.87	54.61	28.24	35.37		
+MOP $_{1.5K}$	0.74	88.84	90.36	48.28	62.05	11.33	68.41	<b>88.17</b>	17.99	32.62		
+MOP $_{1.5K}$ +MAGSAC $_{\tau}$	34.15	94.35	71.71	53.64	63.27	38.82	70.75	62.45	23.95	33.17		
+MOP $_{1.5K}$ +MAGSAC $_i$	45.64	95.23	60.24	54.25	64.34	48.14	70.90	52.83	24.60	33.25		
+MOP $_{1.5K}$ +NCC	0.74	85.75	98.48	36.56	66.18	11.33	65.29	85.66	13.89	34.61		
+MOP $_{1.5K}$ +NCC+MAGSAC $_{\tau}$	25.86	96.26	84.13	62.60	67.03	41.43	70.67	60.35	28.30	34.55		
+MOP $_{1.5K}$ +NCC+MAGSAC $_i$	30.32	96.69	79.65	63.37	67.40	47.25	70.87	54.42	28.02	35.47		
+MOP $_{2.0K}$	0.74	88.89	90.38	48.39	62.39	11.31	68.43	<b>88.20</b>	17.94	32.93		
+MOP $_{2.0K}$ +MAGSAC $_{\tau}$	34.13	94.36	71.74	53.93	63.70	38.85	70.77	62.42	24.25	33.70		
+MOP $_{2.0K}$ +MAGSAC $_i$	45.65	95.24	60.23	53.83	64.25	48.09	70.95	52.93	24.85	33.15		
+MOP $_{2.0K}$ +NCC	0.74	85.76	98.47	36.23	66.09	11.31	65.27	85.55	13.70	34.71		
+MOP $_{2.0K}$ +NCC+MAGSAC $_{\tau}$	25.86	96.28	84.12	62.53	67.17	41.48	70.61	60.15	28.26	34.52		
+MOP $_{2.0K}$ +NCC+MAGSAC $_i$	30.33	96.68	79.60	62.96	67.59	47.27	70.74	54.22	28.17	35.46		