

| Pipeline | MegaDepth | | | | | ScanNet | | | | |
|----------------------------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|
| | Filtered | Precision | Recall | AUC^F | AUC_Z^F | Filtered | Precision | Recall | AUC_Z^F | AUC_Z^F |
| KeyNet+ A_{stdNet}^{ATTN} +NNR | 0.00 | 55.63 | 100.00 | 0.26 | 59.29 | 0.00 | 34.81 | 99.14 | 0.40 | 22.75 |
| +MAGSAC ₇ | 55.99 | 92.11 | 74.01 | 44.14 | 61.11 | 71.16 | 60.23 | 49.42 | 16.16 | 24.25 |
| +MAGSAC _i | 61.72 | 92.86 | 64.87 | 45.48 | 60.60 | 75.27 | 60.14 | 42.19 | 16.35 | 24.26 |
| +ACNe | 44.12 | 88.21 | 89.85 | 24.44 | 58.07 | 57.62 | 58.28 | 71.55 | 9.79 | 23.45 |
| +MAGSAC ₇ | 58.35 | 94.96 | 72.39 | 46.61 | 60.80 | 74.71 | 64.38 | 46.67 | 17.35 | 24.63 |
| +MAGSAC _i | 63.53 | 95.62 | 63.92 | 46.05 | 59.43 | 78.06 | 64.28 | 40.36 | 17.32 | 25.40 |
| +AdaLAM | 94.23 | 89.43 | 8.63 | 18.71 | 29.49 | 96.95 | 43.29 | 4.29 | 2.26 | 3.99 |
| +MAGSAC ₇ | 94.89 | 73.94 | 7.64 | 22.00 | 29.21 | 97.79 | 26.70 | 3.12 | 3.00 | 3.54 |
| +MAGSAC _i | 95.25 | 74.19 | 7.16 | 22.55 | 28.40 | 97.95 | 26.60 | 2.89 | 3.08 | 3.70 |
| +CC | 42.68 | 88.12 | 88.40 | 21.42 | 56.94 | 44.57 | 58.13 | 74.48 | 5.77 | 18.66 |
| +MAGSAC ₇ | 58.99 | 95.09 | 69.84 | 46.52 | 58.89 | 76.55 | 64.24 | 42.08 | 12.00 | 18.80 |
| +MAGSAC _i | 64.04 | 95.70 | 61.73 | 46.98 | 58.00 | 79.60 | 64.21 | 36.63 | 11.82 | 18.62 |
| +CLNet | 46.21 | 87.24 | 84.90 | 5.95 | 54.52 | 70.52 | 61.97 | 52.50 | 3.25 | 18.04 |
| +MAGSAC ₇ | 60.92 | 94.63 | 66.91 | 34.35 | 54.54 | 79.84 | 65.01 | 37.52 | 8.15 | 17.15 |
| +MAGSAC _i | 65.79 | 95.35 | 59.11 | 35.53 | 54.97 | 82.42 | 64.99 | 32.76 | 8.03 | 17.65 |
| +ConvMatch | 57.19 | 87.09 | 74.85 | 22.93 | 53.48 | 65.08 | 62.47 | 65.72 | 8.22 | 21.74 |
| +MAGSAC ₇ | 68.42 | 92.80 | 59.43 | 35.91 | 54.51 | 77.98 | 66.55 | 43.33 | 13.60 | 23.46 |
| +MAGSAC _i | 72.39 | 93.42 | 52.37 | 35.94 | 53.76 | 80.89 | 66.38 | 37.51 | 14.12 | 23.30 |
| +DeMatch | 51.43 | 87.94 | 80.27 | 20.19 | 52.23 | 66.07 | 60.87 | 62.02 | 6.37 | 19.51 |
| +MAGSAC ₇ | 64.19 | 94.79 | 63.54 | 36.06 | 54.55 | 78.63 | 64.81 | 40.89 | 12.22 | 20.95 |
| +MAGSAC _i | 68.70 | 95.38 | 55.92 | 36.21 | 55.24 | 81.46 | 64.73 | 35.32 | 12.46 | 20.55 |
| +FC-GNN | 50.06 | 94.27 | 84.19 | 26.53 | 63.59 | 72.92 | 67.13 | 49.46 | 10.18 | 26.21 |
| +MAGSAC ₇ | 53.11 | 96.65 | 80.83 | 59.19 | 62.86 | 76.26 | 68.99 | 44.51 | 18.22 | 25.64 |
| +MAGSAC _i | 54.47 | 96.87 | 78.59 | 59.88 | 63.41 | 77.57 | 69.07 | 42.13 | 18.78 | 26.02 |
| +GMS | 52.55 | 81.19 | 68.66 | 17.84 | 51.76 | 79.39 | 56.51 | 33.54 | 4.58 | 13.17 |
| +MAGSAC ₇ | 65.30 | 86.33 | 54.27 | 45.19 | 52.54 | 85.67 | 55.02 | 24.39 | 8.38 | 13.30 |
| +MAGSAC _i | 69.51 | 86.89 | 48.11 | 45.21 | 54.01 | 87.43 | 54.96 | 21.49 | 8.08 | 12.83 |
| +MS ² DG-Net | 66.90 | 78.67 | 52.70 | 0.38 | 46.39 | 64.15 | 51.72 | 55.98 | 0.29 | 16.35 |
| +MAGSAC ₇ | 77.72 | 90.52 | 41.80 | 37.17 | 46.16 | 82.01 | 63.27 | 34.44 | 9.72 | 16.37 |
| +MAGSAC _i | 80.41 | 91.07 | 36.98 | 37.93 | 46.05 | 84.12 | 63.12 | 30.26 | 10.10 | 16.46 |
| +NCC | 0.00 | 55.27 | 100.11 | 0.26 | 62.73 | 0.00 | 34.55 | 100.04 | 0.44 | 23.63 |
| +MAGSAC ₇ | 52.59 | 92.74 | 80.67 | 44.25 | 61.75 | 69.30 | 60.73 | 53.46 | 17.49 | 25.64 |
| +MAGSAC _i | 56.46 | 93.35 | 74.45 | 47.08 | 60.88 | 72.88 | 60.66 | 47.04 | 17.40 | 25.03 |
| +NCMNet | 45.95 | 87.48 | 85.85 | 6.45 | 55.20 | 70.14 | 61.42 | 51.98 | 4.34 | 18.10 |
| +MAGSAC ₇ | 60.68 | 94.71 | 67.68 | 35.33 | 54.22 | 79.42 | 64.34 | 37.46 | 9.16 | 17.95 |
| +MAGSAC _i | 65.58 | 95.44 | 59.78 | 35.18 | 55.08 | 81.95 | 64.40 | 32.94 | 9.57 | 17.84 |
| +OANet | 68.37 | 89.69 | 56.00 | 16.15 | 50.46 | 81.01 | 59.55 | 35.42 | 6.93 | 14.17 |
| +MAGSAC ₇ | 75.10 | 94.55 | 46.49 | 29.53 | 50.87 | 86.22 | 61.68 | 26.29 | 9.25 | 15.89 |
| +MAGSAC _i | 78.16 | 95.09 | 41.09 | 28.84 | 49.62 | 87.66 | 61.54 | 23.55 | 9.46 | 15.14 |
| +MOP _{0.5K} +MiHo | 34.40 | 80.55 | 95.13 | 4.50 | 61.89 | 43.48 | 50.24 | 82.69 | 1.71 | 24.45 |
| +MAGSAC ₇ | 56.66 | 93.79 | 73.39 | 51.87 | 62.25 | 72.88 | 63.42 | 49.04 | 16.73 | 25.22 |
| +MAGSAC _i | 62.12 | 94.52 | 64.76 | 52.04 | 61.48 | 76.71 | 63.33 | 42.10 | 18.08 | 25.82 |
| +MOP _{0.5K} +MiHo+NCC | 34.40 | 81.17 | 97.17 | 4.44 | 64.83 | 43.48 | 50.39 | 83.80 | 1.57 | 27.69 |
| +MAGSAC ₇ | 51.27 | 94.73 | 83.79 | 52.42 | 62.71 | 69.76 | 64.39 | 56.04 | 18.96 | 28.33 |
| +MAGSAC _i | 54.22 | 95.13 | 78.96 | 53.89 | 63.76 | 72.62 | 64.53 | 50.79 | 19.20 | 27.02 |
| +MOP _{1.0K} +MiHo | 33.67 | 80.06 | 95.73 | 3.67 | 62.63 | 42.29 | 49.97 | 84.19 | 1.49 | 25.69 |
| +MAGSAC ₇ | 56.53 | 93.78 | 73.70 | 51.11 | 61.70 | 72.73 | 63.52 | 49.73 | 17.84 | 25.57 |
| +MAGSAC _i | 62.05 | 94.56 | 65.03 | 52.98 | 60.91 | 76.51 | 63.38 | 42.78 | 17.48 | 26.14 |
| +MOP _{1.0K} +MiHo+NCC | 33.67 | 80.77 | 97.86 | 3.86 | 64.69 | 42.29 | 50.23 | 86.06 | 1.39 | 27.85 |
| +MAGSAC ₇ | 51.14 | 94.84 | 84.29 | 53.78 | 63.88 | 69.47 | 64.65 | 56.98 | 19.71 | 27.22 |
| +MAGSAC _i | 54.10 | 95.37 | 79.53 | 55.10 | 64.16 | 72.39 | 64.63 | 51.42 | 19.37 | 26.89 |
| +MOP _{1.5K} +MiHo | 33.33 | 79.84 | 95.97 | 3.85 | 62.53 | 41.50 | 49.45 | 84.74 | 1.71 | 24.89 |
| +MAGSAC ₇ | 56.49 | 93.87 | 73.91 | 51.05 | 61.70 | 72.61 | 63.53 | 49.82 | 17.62 | 24.84 |
| +MAGSAC _i | 62.01 | 94.59 | 65.19 | 52.21 | 61.55 | 76.38 | 63.70 | 43.10 | 17.72 | 25.88 |
| +MOP _{1.5K} +MiHo+NCC | 33.33 | 80.57 | 98.19 | 4.06 | 64.73 | 41.50 | 49.66 | 86.41 | 1.72 | 28.07 |
| +MAGSAC ₇ | 51.07 | 94.85 | 84.49 | 52.73 | 64.97 | 69.37 | 64.43 | 56.94 | 18.55 | 27.12 |
| +MAGSAC _i | 54.05 | 95.35 | 79.72 | 53.29 | 63.84 | 72.27 | 64.54 | 51.57 | 19.33 | 28.10 |
| +MOP _{2.0K} +MiHo | 33.04 | 79.54 | 96.31 | 3.96 | 62.63 | 41.01 | 49.50 | 85.48 | 1.45 | 25.58 |
| +MAGSAC ₇ | 56.41 | 93.80 | 74.16 | 50.61 | 62.54 | 72.52 | 63.73 | 50.25 | 16.83 | 24.95 |
| +MAGSAC _i | 61.98 | 94.51 | 65.32 | 52.05 | 60.29 | 76.34 | 63.62 | 43.21 | 16.83 | 25.59 |
| +MOP _{2.0K} +MiHo+NCC | 33.04 | 80.26 | 98.53 | 3.96 | 65.08 | 41.01 | 49.73 | 87.18 | 1.29 | 28.05 |
| +MAGSAC ₇ | 51.01 | 94.83 | 84.80 | 54.29 | 65.18 | 69.24 | 64.55 | 57.14 | 18.90 | 27.61 |
| +MAGSAC _i | 53.94 | 95.33 | 80.08 | 54.79 | 64.40 | 72.15 | 64.67 | 51.75 | 18.61 | 27.73 |
| +MOP _{0.5K} | 39.06 | 84.26 | 91.79 | 9.77 | 60.06 | 55.88 | 55.43 | 70.52 | 3.94 | 24.25 |
| +MAGSAC ₇ | 57.24 | 93.18 | 71.67 | 51.01 | 61.69 | 75.25 | 62.63 | 44.77 | 15.61 | 24.23 |
| +MAGSAC _i | 62.62 | 93.83 | 63.23 | 51.83 | 61.64 | 78.70 | 62.46 | 38.52 | 15.96 | 23.87 |
| +MOP _{0.5K} +NCC | 39.06 | 84.78 | 93.61 | 8.98 | 62.12 | 55.88 | 55.34 | 71.35 | 3.69 | 26.02 |
| +MAGSAC ₇ | 52.01 | 93.92 | 81.55 | 52.53 | 62.09 | 72.07 | 63.34 | 51.30 | 18.19 | 26.59 |
| +MAGSAC _i | 54.88 | 94.38 | 76.93 | 54.12 | 60.71 | 74.55 | 63.46 | 46.82 | 18.61 | 25.95 |
| +MOP _{1.0K} | 38.46 | 84.00 | 92.58 | 9.18 | 60.36 | 55.19 | 55.67 | 72.04 | 4.16 | 24.57 |
| +MAGSAC ₇ | 57.09 | 93.25 | 72.11 | 51.63 | 60.96 | 75.01 | 63.10 | 45.55 | 16.83 | 24.37 |
| +MAGSAC _i | 62.51 | 93.94 | 63.57 | 52.01 | 61.17 | 78.50 | 63.01 | 39.28 | 16.22 | 23.73 |
| +MOP _{1.0K} +NCC | 38.46 | 84.56 | 94.44 | 8.46 | 62.90 | 55.19 | 55.70 | 73.07 | 3.75 | 26.44 |
| +MAGSAC ₇ | 51.83 | 94.23 | 82.18 | 53.38 | 62.54 | 71.87 | 63.86 | 52.30 | 18.59 | 27.17 |
| +MAGSAC _i | 54.67 | 94.56 | 77.57 | 54.44 | 63.64 | 74.42 | 63.93 | 47.55 | 18.63 | 27.34 |
| +MOP _{1.5K} | 38.24 | 83.88 | 93.02 | 8.87 | 61.19 | 54.86 | 55.57 | 72.76 | 4.14 | 24.28 |
| +MAGSAC ₇ | 57.01 | 93.27 | 72.39 | 51.10 | 61.09 | 74.91 | 63.04 | 45.78 | 16.97 | 24.50 |
| +MAGSAC _i | 62.41 | 93.94 | 63.91 | 52.23 | 60.93 | 78.41 | 63.02 | 39.50 | 17.11 | 24.63 |
| +MOP _{1.5K} +NCC | 38.24 | 84.46 | 94.94 | 8.50 | 63.34 | 54.86 | 55.50 | 73.49 | 3.57 | 27.08 |
| +MAGSAC ₇ | 51.68 | 94.19 | 82.65 | 53.23 | 63.72 | 71.66 | 63.86 | 52.69 | 18.10 | 27.11 |
| +MAGSAC _i | 54.57 | 94.57 | 77.95 | 55.11 | 62.74 | 74.30 | 64.07 | 47.83 | 18.56 | 26.66 |
| +MOP _{2.0K} | 38.02 | 83.91 | 93.37 | 9.84 | 61.36 | 54.66 | 55.71 | 72.97 | 3.73 | 24.43 |
| +MAGSAC ₇ | 56.94 | 93.43 | 72.67 | 51.34 | 61.90 | 74.78 | 63.15 | 45.77 | 16.68 | 24.49 |
| +MAGSAC _i | 62.37 | 94.12 | 64.11 | 52.64 | 61.64 | 78.41 | 63.34 | 39.45 | 16.43 | 24.92 |
| +MOP _{2.0K} +NCC | 38.02 | 84.45 | 95.23 | 9.55 | 64.12 | 54.66 | 55.67 | 73.77 | 3.60 | 27.37 |
| +MAGSAC ₇ | 51.67 | 94.27 | 82.76 | 51.97 | 62.97 | 71.54 | 64.18 | 53.01 | 18.70 | 27.01 |
| +MAGSAC _i | 54.51 | 94.65 | 78.12 | 53.77 | 63.51 | 74.19 | 64.31 | 48.12 | 19.10 | 26.27 |