

| Pipeline | MegaDepth | | | | | | | | | | | | ScanNet | | | | | | | | | | | | Planar | | | | | | | | | | | | IMC PhotoTourism | | | | | | | | | | | |
|----------------------|-----------|-----------|--------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|----------|-----------|--------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|----------|-----------|--------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|-------|-------|-------|
| | Filtered | Precision | Recall | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | Filtered | Precision | Recall | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | Filtered | Precision | Recall | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | AUC ^P _{0.5} | AUC ^P _{0.10} | AUC ^P _{0.2} | | | |
| DeDoDe v2 | 0.00 | 68.13 | 99.99 | 0.23 | 0.84 | 3.27 | 1.45 | 51.30 | 66.84 | 78.43 | 65.52 | 0.00 | 45.81 | 99.99 | 0.00 | 0.14 | 1.35 | 0.50 | 12.26 | 23.67 | 35.46 | 23.80 | 0.00 | 61.15 | 94.32 | 2.06 | 4.37 | 7.16 | 26.95 | 0.00 | 65.00 | 100.00 | 0.13 | 0.76 | 3.40 | 1.43 | 55.83 | 71.30 | 82.11 | 69.75 | 0.12 | 0.54 | 2.04 | 0.90 | 23.82 | 39.70 | 56.28 | 39.93 |
| +MAGSAC ₁ | 41.97 | 92.08 | 79.43 | 42.09 | 55.33 | 66.69 | 54.70 | 51.22 | 66.32 | 78.03 | 65.19 | 55.42 | 57.43 | 50.08 | 8.62 | 18.02 | 28.79 | 18.48 | 13.64 | 25.47 | 37.91 | 25.67 | 63.94 | 81.71 | 47.91 | 41.12 | 55.13 | 61.47 | 51.41 | 44.09 | 89.64 | 77.33 | 35.94 | 48.79 | 61.00 | 48.58 | 53.00 | 68.56 | 80.12 | 67.23 | 16.31 | 26.21 | 37.59 | 26.70 | 22.53 | 37.45 | 53.85 | 38.01 |
| +MAGSAC ₂ | 47.33 | 92.72 | 72.49 | 43.19 | 56.92 | 68.25 | 56.12 | 51.13 | 66.84 | 78.41 | 65.46 | 60.83 | 56.95 | 42.74 | 8.80 | 17.96 | 28.63 | 18.46 | 12.38 | 24.30 | 37.07 | 24.58 | 73.76 | 82.87 | 35.35 | 41.28 | 55.45 | 62.11 | 48.55 | 49.71 | 90.16 | 69.92 | 37.22 | 50.31 | 62.33 | 49.95 | 52.22 | 67.86 | 79.61 | 66.57 | 16.82 | 27.05 | 38.84 | 27.57 | 22.14 | 37.14 | 52.98 | 37.42 |
| +ACNe | 36.27 | 88.65 | 83.77 | 12.71 | 25.26 | 41.73 | 26.57 | 45.86 | 62.92 | 76.37 | 61.72 | 50.15 | 55.36 | 56.91 | 1.46 | 5.17 | 13.64 | 6.76 | 10.64 | 21.90 | 35.14 | 22.56 | 42.86 | 72.71 | 69.10 | 22.56 | 35.07 | 41.61 | 42.09 | 41.83 | 88.89 | 80.26 | 9.26 | 21.15 | 39.39 | 23.27 | 50.31 | 67.20 | 79.25 | 65.59 | 2.98 | 7.31 | 15.23 | 8.50 | 18.30 | 33.18 | 50.30 | 33.92 |
| +MAGSAC ₁ | 49.19 | 94.44 | 71.22 | 39.43 | 54.25 | 68.00 | 53.89 | 44.29 | 62.72 | 76.55 | 61.19 | 64.63 | 58.01 | 39.69 | 5.85 | 14.28 | 25.56 | 15.23 | 10.36 | 21.35 | 34.25 | 21.99 | 69.64 | 86.53 | 40.75 | 36.20 | 50.80 | 57.66 | 46.35 | 53.27 | 94.17 | 68.12 | 36.61 | 51.71 | 66.16 | 51.49 | 49.56 | 66.51 | 78.82 | 64.96 | 14.51 | 24.99 | 37.92 | 25.80 | 18.40 | 32.84 | 49.73 | 33.65 |
| +MAGSAC ₂ | 53.54 | 94.95 | 65.44 | 39.86 | 54.54 | 68.19 | 54.19 | 44.84 | 62.84 | 76.46 | 61.38 | 68.48 | 57.87 | 34.19 | 6.08 | 14.24 | 25.70 | 15.34 | 10.21 | 21.29 | 34.23 | 21.91 | 77.33 | 81.00 | 30.80 | 36.24 | 50.97 | 57.89 | 43.98 | 57.32 | 94.61 | 62.43 | 37.18 | 52.79 | 66.79 | 52.12 | 49.62 | 66.45 | 78.61 | 64.89 | 14.69 | 25.31 | 38.43 | 28.14 | 18.27 | 32.61 | 49.61 | 33.50 |
| +AdaLAM | 0.00 | 68.13 | 99.99 | 0.23 | 0.84 | 3.27 | 1.45 | 51.30 | 66.84 | 78.43 | 65.52 | 0.00 | 45.81 | 99.99 | 0.00 | 0.14 | 1.35 | 0.50 | 12.26 | 23.67 | 35.46 | 23.80 | 0.00 | 61.15 | 94.32 | 2.06 | 4.37 | 7.16 | 26.95 | 0.00 | 65.00 | 100.00 | 0.13 | 0.76 | 3.40 | 1.43 | 55.83 | 71.30 | 82.11 | 69.75 | 0.12 | 0.54 | 2.04 | 0.90 | 23.82 | 39.70 | 56.28 | 39.93 |
| +MAGSAC ₁ | 41.97 | 92.08 | 79.43 | 42.09 | 55.33 | 66.69 | 54.70 | 51.22 | 66.32 | 78.03 | 65.19 | 55.42 | 57.43 | 50.08 | 8.62 | 18.02 | 28.79 | 18.48 | 13.64 | 25.47 | 37.91 | 25.67 | 63.94 | 81.71 | 47.91 | 41.12 | 55.13 | 61.47 | 51.41 | 44.09 | 89.64 | 77.33 | 35.94 | 48.79 | 61.00 | 48.58 | 53.00 | 68.56 | 80.12 | 67.23 | 16.31 | 26.21 | 37.59 | 26.70 | 22.53 | 37.45 | 53.85 | 38.01 |
| +MAGSAC ₂ | 47.33 | 92.72 | 72.49 | 43.19 | 56.92 | 68.25 | 56.12 | 51.13 | 66.84 | 78.41 | 65.46 | 60.83 | 56.95 | 42.74 | 8.80 | 17.96 | 28.63 | 18.46 | 12.38 | 24.30 | 37.07 | 24.58 | 73.76 | 82.57 | 35.35 | 41.28 | 55.45 | 62.11 | 48.55 | 49.71 | 90.16 | 69.92 | 37.22 | 50.31 | 62.33 | 49.95 | 52.22 | 67.86 | 79.61 | 66.57 | 16.82 | 27.05 | 38.84 | 27.57 | 22.14 | 37.14 | 52.98 | 37.42 |
| +CC | 28.94 | 87.92 | 91.15 | 15.64 | 26.15 | 39.36 | 27.05 | 49.80 | 65.81 | 77.89 | 64.50 | 31.95 | 51.89 | 74.22 | 0.25 | 1.18 | 4.55 | 1.99 | 10.66 | 21.80 | 33.40 | 21.95 | 15.48 | 70.75 | 91.78 | 29.24 | 41.98 | 48.11 | 52.78 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| +MAGSAC ₁ | 44.82 | 94.39 | 76.46 | 48.93 | 62.43 | 73.52 | 61.82 | 50.58 | 66.25 | 78.12 | 64.99 | 58.93 | 56.31 | 45.47 | 7.52 | 15.40 | 25.14 | 16.02 | 10.83 | 22.07 | 34.06 | 22.32 | 63.88 | 82.26 | 48.52 | 41.64 | 55.56 | 62.20 | 51.98 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| +MAGSAC ₂ | 49.51 | 94.90 | 70.37 | 49.05 | 63.36 | 76.34 | 62.45 | 49.04 | 65.15 | 77.65 | 63.95 | 63.58 | 55.80 | 39.06 | 7.38 | 15.21 | 25.17 | 15.92 | 11.26 | 21.60 | 33.41 | 22.09 | 73.53 | 83.05 | 35.89 | 41.57 | 54.67 | 61.50 | 48.41 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| +CLNet | 37.67 | 86.80 | 79.56 | 2.63 | 7.17 | 17.34 | 9.05 | 42.04 | 59.96 | 73.65 | 58.55 | 60.14 | 60.30 | 50.42 | 0.48 | 1.54 | 4.81 | 2.27 | 8.27 | 18.63 | 31.40 | 19.43 | 34.27 | 72.80 | 79.12 | 29.28 | 41.24 | 47.46 | 49.27 | 43.20 | 87.73 | 77.00 | 5.11 | 10.39 | 19.75 | 11.72 | 47.23 | 64.32 | 77.00 | 62.85 | 1.23 | 3.03 | 6.76 | 3.67 | 17.10 | 31.23 | 47.86 | 32.06 |
| +MAGSAC ₁ | 50.61 | 92.63 | 67.22 | 31.25 | 45.60 | 60.06 | 45.63 | 41.64 | 59.48 | 73.51 | 58.21 | 71.32 | 62.43 | 36.05 | 3.48 | 8.32 | 17.18 | 9.66 | 8.04 | 18.13 | 30.52 | 18.89 | 65.91 | 80.23 | 45.16 | 40.06 | 54.43 | 60.70 | 50.09 | 54.97 | 93.15 | 64.44 | 30.15 | 44.18 | 59.08 | 44.47 | 46.54 | 63.51 | 76.25 | 62.10 | 12.07 | 21.14 | 32.74 | 21.98 | 16.83 | 30.89 | 47.13 | 31.62 |
| +MAGSAC ₂ | 54.82 | 93.19 | 61.88 | 31.89 | 46.37 | 60.86 | 46.37 | 42.04 | 59.65 | 73.57 | 58.42 | 74.61 | 62.36 | 31.47 | 3.53 | 8.92 | 18.03 | 10.16 | 7.92 | 17.29 | 29.41 | 18.21 | 74.93 | 80.75 | 33.74 | 39.97 | 54.31 | 60.34 | 58.98 | 93.58 | 58.93 | 30.53 | 44.66 | 59.57 | 44.92 | 46.48 | 63.28 | 76.10 | 61.95 | 12.42 | 21.54 | 33.01 | 22.32 | 16.96 | 30.73 | 47.13 | 31.60 | |
| +ConvMatch | 65.98 | 85.97 | 50.05 | 17.40 | 24.35 | 37.05 | 25.37 | 32.80 | 48.39 | 61.68 | 47.63 | 67.44 | 64.24 | 46.67 | 2.37 | 7.08 | 17.03 | 8.78 | 8.77 | 19.69 | 33.01 | 20.49 | 78.52 | 68.37 | 31.49 | 11.07 | 24.15 | 32.59 | 24.83 | 61.92 | 89.17 | 58.11 | 16.34 | 28.74 | 44.34 | 29.81 | 42.06 | 58.73 | 71.67 | 57.49 | 4.03 | 9.26 | 17.90 | 10.40 | 12.36 | 25.08 | 41.48 | 26.31 |
| +MAGSAC ₁ | 72.17 | 88.24 | 42.96 | 25.91 | 37.31 | 49.64 | 37.62 | 33.03 | 48.40 | 61.77 | 47.74 | 76.91 | 65.59 | 32.28 | 4.60 | 11.88 | 22.51 | 13.13 | 9.22 | 20.55 | 33.86 | 21.21 | 88.64 | 73.33 | 18.48 | 19.58 | 34.58 | 42.11 | 28.68 | 69.21 | 92.45 | 48.89 | 28.36 | 42.43 | 57.11 | 42.64 | 41.85 | 58.51 | 71.58 | 57.31 | 8.45 | 16.69 | 28.50 | 17.88 | 12.43 | 24.87 | 41.19 | 26.16 |
| +MAGSAC ₂ | 74.50 | 88.65 | 39.55 | 26.28 | 37.81 | 50.05 | 38.05 | 33.04 | 48.28 | 61.59 | 47.64 | 79.63 | 65.02 | 27.98 | 4.25 | 11.50 | 22.93 | 12.76 | 8.55 | 19.64 | 33.06 | 20.42 | 91.15 | 73.92 | 14.83 | 20.19 | 34.56 | 41.81 | 27.85 | 71.94 | 92.85 | 44.66 | 28.85 | 43.04 | 57.57 | 43.15 | 42.14 | 58.59 | 71.61 | 57.44 | 8.77 | 17.05 | | | | | | |