

7.3 Optical data

| Objectives | | 1× Plan 1× Planapo | 0.5× Plan | 0.63× Planapo | | 0.8× Plan | | 1.6× Planapo | | 2× Planapo | | | |
|------------|-----------------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------|-----------------------------|---------------------|-----------------------------|---------------------|-----------------------------|---------------------|-----------------------------|
| Eyepieces | Magnification changer | Working distances in mm | | | | | | | | | | | |
| | | 60 Plan 55 Planapo | | 135 Plan | | 97 Planapo | | 112 Plan | | 19 Planapo | | 15 Planapo | |
| | | Total magnification | Field of view diameter (mm) | Total magnification | Field of view diameter (mm) | Total magnification | Field of view diameter (mm) | Total magnification | Field of view diameter (mm) | Total magnification | Field of view diameter (mm) | Total magnification | Field of view diameter (mm) |
| 10×/21B | 0.71 | 7.1 | 29.6 | 3.5 | 59.1 | 4.5 | 47 | 5.7 | 37 | 11.4 | 18.5 | 14.2 | 14.8 |
| | 0.8 | 8 | 26.3 | 4 | 52.5 | 5.1 | 41.2 | 6.4 | 32.8 | 12.8 | 16.4 | 16 | 13.1 |
| | 1 | 10 | 21 | 5 | 42 | 6.4 | 32.8 | 8 | 26.3 | 16 | 13.1 | 20 | 10.5 |
| | 1.25 | 12.5 | 16.8 | 6.3 | 33.3 | 8 | 26.3 | 10 | 21 | 20 | 10.5 | 25 | 8.4 |
| | 1.6 | 16 | 13.1 | 8 | 26.3 | 10.2 | 20.6 | 12.8 | 16.4 | 25.6 | 8.2 | 32 | 6.6 |
| | 2 | 20 | 10.5 | 10 | 21 | 12.8 | 16.4 | 16 | 13.1 | 32 | 6.6 | 40 | 5.3 |
| | 2.5 | 25 | 8.4 | 12.5 | 16.8 | 15 | 13.1 | 20 | 10.5 | 40 | 5.3 | 50 | 4.2 |
| | 3.2 | 32 | 6.6 | 16 | 13.1 | 20.5 | 10.2 | 25.6 | 8.2 | 51.2 | 4.1 | 64 | 3.3 |
| | 4 | 40 | 5.3 | 20 | 10.5 | 25.6 | 8.2 | 32 | 6.6 | 64 | 3.3 | 80 | 2.6 |
| | 5 | 50 | 4.2 | 25 | 8.4 | 32 | 6.6 | 40 | 5.3 | 80 | 2.6 | 100 | 2.1 |
| | 6.3 | 63 | 3.3 | 31.5 | 6.7 | 40.3 | 5.2 | 50.4 | 4.2 | 100.8 | 2.1 | 126 | 1.7 |
| | 8 | 80 | 2.6 | 40 | 5.3 | 51.2 | 4.1 | 64 | 3.3 | 128 | 1.6 | 160 | 1.3 |
| | 10 | 100 | 2.1 | 50 | 4.2 | 64 | 3.3 | 80 | 2.6 | 160 | 1.3 | 200 | 1.1 |
| 11.5 | 115 | 1.8 | 57.5 | 3.7 | 72.5 | 2.9 | 92 | 2.2 | 184 | 1.1 | 230 | 0.9 | |
| 16×/14B | 0.71 | 11.4 | 19.7 | 5.7 | 39.4 | 7.2 | 31.3 | 9.1 | 24.6 | 18.2 | 12.3 | 22.8 | 9.8 |
| | 0.8 | 12.8 | 17.5 | 6.4 | 35 | 8.2 | 27.3 | 10.2 | 22 | 20.5 | 10.9 | 25.6 | 8.8 |
| | 1 | 16 | 14 | 8 | 28 | 10.2 | 22 | 12.8 | 17.5 | 25.6 | 8.8 | 32 | 7 |
| | 1.25 | 20 | 11.2 | 10 | 22.4 | 12.8 | 17.5 | 16 | 14 | 32 | 7 | 40 | 5.6 |
| | 1.6 | 25.6 | 8.8 | 12.8 | 17.5 | 16.4 | 13.7 | 20.5 | 10.9 | 41 | 5.5 | 51.2 | 4.4 |
| | 2 | 32 | 7 | 16 | 14 | 20.5 | 10.9 | 25.6 | 8.8 | 51.2 | 4.4 | 64 | 3.5 |
| | 2.5 | 40 | 5.6 | 20 | 11.2 | 25.6 | 8.8 | 32 | 7 | 64 | 3.5 | 80 | 2.8 |
| | 3.2 | 51.2 | 4.4 | 25.6 | 8.8 | 32.8 | 6.8 | 41 | 5.5 | 81.9 | 2.7 | 102.4 | 2.2 |
| | 4 | 64 | 3.5 | 32 | 7 | 41 | 5.5 | 51.2 | 4.4 | 102.4 | 2.2 | 128 | 1.8 |
| | 5 | 80 | 2.8 | 40 | 5.6 | 51.2 | 4.4 | 64 | 3.5 | 128 | 1.8 | 160 | 1.4 |
| | 6.3 | 100.8 | 2.2 | 50.4 | 4.4 | 64.5 | 3.5 | 80.6 | 2.8 | 161.3 | 1.4 | 201.6 | 1.1 |
| | 8 | 128 | 1.8 | 64 | 3.5 | 81.9 | 2.7 | 102.4 | 2.2 | 204.8 | 1.1 | 256 | 0.9 |
| | 10 | 160 | 1.4 | 80 | 2.8 | 102.4 | 2.2 | 128 | 1.8 | 256 | 0.9 | 320 | 0.7 |
| 11.5 | 184 | 1.2 | 92 | 2.4 | 115.9 | 1.9 | 147.2 | 1.5 | 294.4 | 0.8 | 368 | 0.6 | |
| 25×/9.5B | 0.71 | 17.7 | 13.4 | 8.9 | 26.8 | 11.1 | 21.2 | 14.2 | 16.7 | 28.3 | 8.4 | 35.4 | 6.7 |
| | 0.8 | 20 | 11.9 | 10 | 23.8 | 12.8 | 18.6 | 16 | 14.8 | 32 | 7.4 | 40 | 5.9 |
| | 1 | 25 | 9.5 | 12.5 | 19 | 16 | 14.8 | 20 | 11.9 | 40 | 5.9 | 50 | 4.8 |
| | 1.25 | 31.3 | 7.6 | 15.6 | 15.2 | 20 | 11.9 | 25 | 9.5 | 50 | 4.8 | 62.5 | 3.8 |
| | 1.6 | 40 | 5.9 | 20 | 11.9 | 25.6 | 9.3 | 32 | 7.4 | 64 | 3.7 | 80 | 3 |
| | 2 | 50 | 4.8 | 25 | 9.5 | 32 | 7.4 | 40 | 5.9 | 80 | 3 | 100 | 2.4 |
| | 2.5 | 62.5 | 3.8 | 31.3 | 7.6 | 40 | 5.9 | 50 | 4.8 | 100 | 2.4 | 125 | 1.9 |
| | 3.2 | 80 | 3 | 40 | 5.9 | 51.2 | 4.6 | 64 | 3.7 | 128 | 1.9 | 160 | 1.5 |
| | 4 | 100 | 2.4 | 50 | 4.8 | 64 | 3.7 | 80 | 3 | 160 | 1.5 | 200 | 1.2 |
| | 5 | 125 | 1.9 | 62.5 | 3.8 | 80 | 3 | 100 | 2.4 | 200 | 1.2 | 250 | 1 |
| | 6.3 | 157.5 | 1.5 | 78.8 | 3 | 100.8 | 2.4 | 126 | 1.9 | 252 | 0.9 | 315 | 0.8 |
| | 8 | 200 | 1.2 | 100 | 2.4 | 128 | 1.9 | 160 | 1.5 | 320 | 0.7 | 400 | 0.6 |
| | 10 | 250 | 1 | 125 | 1.9 | 160 | 1.5 | 200 | 1.2 | 400 | 0.6 | 500 | 0.5 |
| 11.5 | 287.5 | 0.8 | 143.8 | 1.7 | 181.1 | 1.3 | 230 | 1 | 460 | 0.5 | 575 | 0.4 | |
| 40×/6B | 0.71 | 28.4 | 8.4 | 14.2 | 16.9 | 17.9 | 13.4 | 22.7 | 10.5 | 45.4 | 5.3 | 56.8 | 4.2 |
| | 0.8 | 32 | 7.5 | 16 | 15 | 20.5 | 11.7 | 25.6 | 9.4 | 51.2 | 4.7 | 64 | 3.8 |
| | 1 | 40 | 6 | 20 | 12 | 25.6 | 9.4 | 32 | 7.5 | 64 | 3.8 | 80 | 3 |
| | 1.25 | 50 | 4.8 | 25 | 9.6 | 32 | 7.5 | 40 | 6 | 80 | 3 | 100 | 2.4 |
| | 1.6 | 64 | 3.8 | 32 | 7.5 | 41 | 5.9 | 51.2 | 4.7 | 102.4 | 2.3 | 128 | 1.9 |
| | 2 | 80 | 3 | 40 | 6 | 64 | 4.7 | 64 | 3.8 | 128 | 1.9 | 160 | 1.5 |
| | 2.5 | 100 | 2.4 | 50 | 4.8 | 80 | 3.8 | 80 | 3 | 160 | 1.5 | 200 | 1.2 |
| | 3.2 | 128 | 1.9 | 64 | 3.8 | 81.9 | 2.9 | 102.4 | 2.3 | 204.8 | 1.2 | 256 | 0.9 |
| | 4 | 160 | 1.5 | 80 | 3 | 102.4 | 2.3 | 128 | 1.9 | 256 | 0.9 | 320 | 0.8 |
| | 5 | 200 | 1.2 | 100 | 2.4 | 128 | 1.9 | 160 | 1.5 | 320 | 0.8 | 400 | 0.6 |
| | 6.3 | 252 | 1 | 126 | 1.9 | 161.3 | 1.5 | 201.6 | 1.2 | 403.2 | 0.6 | 504 | 0.5 |
| | 8 | 320 | 0.8 | 160 | 1.5 | 204.8 | 1.2 | 256 | 0.9 | 512 | 0.5 | 640 | 0.4 |
| | 10 | 400 | 0.6 | 200 | 1.2 | 256 | 0.9 | 320 | 0.8 | 640 | 0.4 | 800 | 0.3 |
| 11.5 | 460 | 0.5 | 230 | 1 | 289.8 | 0.8 | 368 | 0.6 | 736 | 0.3 | 920 | 0.3 | |