



Recording Time 2000 Series

Double Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|---------|----------|-----------|
| Frame Size (KBytes) | 9.88 | 10.3 | 10.7 | 10.9 | 11 |
| Frames per Second | 15 | 15 | 15 | 15 | 15 |
| Record Size per Second (MBytes) | 0.1482 | 0.1545 | 0.1605 | 0.1635 | 0.165 |
| Record Size per Minute (MBytes) | 8.892 | 9.27 | 9.63 | 9.81 | 9.9 |
| Record Size per Hour (MBytes) | 533.52 | 556.2 | 577.8 | 588.6 | 594 |
| Record Size per Day (MBytes) | 12804.48 | 13348.8 | 13867.2 | 14126.4 | 14256 |

Normal Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|----------|-----------|
| Frame Size (KBytes) | 6.83 | 7 | 7.33 | 7.66 | 7.7 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.2049 | 0.21 | 0.2199 | 0.2298 | 0.231 |
| Record Size per Minute (MBytes) | 12.294 | 12.6 | 13.194 | 13.788 | 13.86 |
| Record Size per Hour (MBytes) | 737.64 | 756 | 791.64 | 827.28 | 831.6 |
| Record Size per Day (MBytes) | 17703.36 | 18144 | 18999.36 | 19854.72 | 19958.4 |

Half Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|---------|----------|----------|----------|-----------|
| Frame Size (KBytes) | 6.6 | 6.63 | 6.66 | 6.96 | 7.26 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.198 | 0.1989 | 0.1998 | 0.2088 | 0.2178 |
| Record Size per Minute (MBytes) | 11.88 | 11.934 | 11.988 | 12.528 | 13.068 |
| Record Size per Hour (MBytes) | 712.8 | 716.04 | 719.28 | 751.68 | 784.08 |
| Record Size per Day (MBytes) | 17107.2 | 17184.96 | 17262.72 | 18040.32 | 18817.92 |

* The real data consumption depends on the video content, in addition, you have to add the audio data consumption if there is any.

* For real-time calculation, please download the calculating tool from <http://www.vivotek.com/download/faq/calculator.zip>, which is provided by



Recording Time 6000 Series

MPEG4

Double Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|-----------|-----------|
| Frame Size (KBytes) | 3.833 | 4.571 | 6.666 | 9.333 | 12.6 |
| Frames per Second | 15 | 15 | 15 | 15 | 15 |
| Record Size per Second (MBytes) | 0.057495 | 0.068565 | 0.09999 | 0.139995 | 0.189 |
| Record Size per Minute (MBytes) | 3.4497 | 4.1139 | 5.9994 | 8.3997 | 11.34 |
| Record Size per Hour (MBytes) | 206.982 | 246.834 | 359.964 | 503.982 | 680.4 |
| Record Size per Day (MBytes) | 4967.568 | 5924.016 | 8639.136 | 12095.568 | 16329.6 |

Normal Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|---------|----------|---------|----------|-----------|
| Frame Size (KBytes) | 0.83 | 1.36 | 2.23 | 3.66 | 4.33 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.0249 | 0.0408 | 0.0669 | 0.1098 | 0.1299 |
| Record Size per Minute (MBytes) | 1.494 | 2.448 | 4.014 | 6.588 | 7.794 |
| Record Size per Hour (MBytes) | 89.64 | 146.88 | 240.84 | 395.28 | 467.64 |
| Record Size per Day (MBytes) | 2151.36 | 3525.12 | 5780.16 | 9486.72 | 11223.36 |

Half Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|---------|----------|---------|----------|-----------|
| Frame Size (KBytes) | 0.73 | 1.16 | 1.66 | 2.36 | 2.86 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.0219 | 0.0348 | 0.0498 | 0.0708 | 0.0858 |
| Record Size per Minute (MBytes) | 1.314 | 2.088 | 2.988 | 4.248 | 5.148 |
| Record Size per Hour (MBytes) | 78.84 | 125.28 | 179.28 | 254.88 | 308.88 |
| Record Size per Day (MBytes) | 1892.16 | 3006.72 | 4302.72 | 6117.12 | 7413.12 |

Motion JPEG

Double Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|--------|----------|----------|----------|-----------|
| Frame Size (KBytes) | 15 | 18.92 | 27.91 | 35.9 | 50.1 |
| Frames per Second | 15 | 15 | 15 | 15 | 15 |
| Record Size per Second (MBytes) | 0.225 | 0.2838 | 0.41865 | 0.5385 | 0.7515 |
| Record Size per Minute (MBytes) | 13.5 | 17.028 | 25.119 | 32.31 | 45.09 |
| Record Size per Hour (MBytes) | 810 | 1021.68 | 1507.14 | 1938.6 | 2705.4 |
| Record Size per Day (MBytes) | 19440 | 24520.32 | 36171.36 | 46526.4 | 64929.6 |

Normal Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|----------|-----------|
| Frame Size (KBytes) | 6.33 | 7.76 | 11.26 | 13.66 | 18.69 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.1899 | 0.2328 | 0.3378 | 0.4098 | 0.5607 |
| Record Size per Minute (MBytes) | 11.394 | 13.968 | 20.268 | 24.588 | 33.642 |
| Record Size per Hour (MBytes) | 683.64 | 838.08 | 1216.08 | 1475.28 | 2018.52 |
| Record Size per Day (MBytes) | 16407.36 | 20113.92 | 29185.92 | 35406.72 | 48444.48 |

Half Size

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|---------|----------|----------|----------|-----------|
| Frame Size (KBytes) | 2.46 | 3 | 4.23 | 5.5 | 6.23 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.0738 | 0.09 | 0.1269 | 0.165 | 0.1869 |
| Record Size per Minute (MBytes) | 4.428 | 5.4 | 7.614 | 9.9 | 11.214 |
| Record Size per Hour (MBytes) | 265.68 | 324 | 456.84 | 594 | 672.84 |
| Record Size per Day (MBytes) | 6376.32 | 7776 | 10964.16 | 14256 | 16148.16 |

* The real data consumption depends on the video content, in addition, you have to add the audio data consumption if there is any.

* For real-time calculation, please download the calculating tool from <http://www.vivotek.com/download/faq/calculator.zip>, which is provided by VIVOTEK Inc.



Recording Time 7000 Series IP7135-7137, PT7135-7137

HDD size (GB) 80 <= Please fill in the required data
 Bit Rate (Kbps) 512 <= Please fill in the required data
 Recording Time (days) 14.4676

| | | | | | | | | | | | | | | |
|---------------------------------|---------|---------|----------|------------|----------|-----------|----------|-------------|--------|----------|--------|----------|--------|----------|
| Fixed Bit Rate (Kbps) | 20 | 30 | 40 | 64 | 128 | 256 | 256 | 512 | 768 | 1000 | 15000 | 20000 | 30000 | 400000 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Frame Size (KBytes) | 0.08333 | 0.125 | 0.166667 | 0.26666667 | 0.533333 | 1.0666667 | 1.066667 | 2.133333333 | 3.2 | 4.166667 | 62.5 | 83.33333 | 125 | 1666.667 |
| Record Size per Second (MBytes) | 0.0025 | 0.00375 | 0.005 | 0.008 | 0.016 | 0.032 | 0.032 | 0.064 | 0.096 | 0.125 | 1.875 | 2.5 | 3.75 | 50 |
| Record Size per Minute (MBytes) | 0.15 | 0.225 | 0.3 | 0.48 | 0.96 | 1.92 | 1.92 | 3.84 | 5.76 | 7.5 | 112.5 | 150 | 225 | 3000 |
| Record Size per Hour (MBytes) | 9 | 13.5 | 18 | 28.8 | 57.6 | 115.2 | 115.2 | 230.4 | 345.6 | 450 | 6750 | 9000 | 13500 | 180000 |
| Record Size per Day (MBytes) | 216 | 324 | 432 | 691.2 | 1382.4 | 2764.8 | 2764.8 | 5529.6 | 8294.4 | 10800 | 162000 | 216000 | 324000 | 4320000 |

160x120

| | | | | | |
|---------------------------------|---------|----------|----------|----------|-----------|
| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
| Frame Size (KBytes) | 0.818 | 0.862 | 0.991 | 1.163 | 1.336 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.02454 | 0.02586 | 0.02973 | 0.03489 | 0.04008 |
| Record Size per Minute (MBytes) | 1.4724 | 1.5516 | 1.7838 | 2.0934 | 2.4048 |
| Record Size per Hour (MBytes) | 88.344 | 93.096 | 107.028 | 125.604 | 144.288 |
| Record Size per Day (MBytes) | 2120.26 | 2234.304 | 2568.672 | 3014.496 | 3462.912 |

176x144

| | | | | | |
|---------------------------------|---------|----------|---------|----------|-----------|
| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
| Frame Size (KBytes) | 0.862 | 0.991 | 1.12 | 1.293 | 1.508 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.02586 | 0.02973 | 0.0336 | 0.03879 | 0.04524 |
| Record Size per Minute (MBytes) | 1.5516 | 1.7838 | 2.016 | 2.3274 | 2.7144 |
| Record Size per Hour (MBytes) | 93.096 | 107.028 | 120.96 | 139.644 | 162.864 |
| Record Size per Day (MBytes) | 2234.3 | 2568.672 | 2903.04 | 3351.456 | 3908.736 |

320x240

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|---------|----------|----------|----------|-----------|
| Frame Size (KBytes) | 1.12 | 1.293 | 1.551 | 1.939 | 2.284 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.0336 | 0.03879 | 0.04653 | 0.05817 | 0.06852 |
| Record Size per Minute (MBytes) | 2.016 | 2.3274 | 2.7918 | 3.4902 | 4.1112 |
| Record Size per Hour (MBytes) | 120.96 | 139.644 | 167.508 | 209.412 | 246.672 |
| Record Size per Day (MBytes) | 2903.04 | 3351.456 | 4020.192 | 5025.888 | 5920.128 |

640x480

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|---------|----------|----------|-----------|-----------|
| Frame Size (KBytes) | 2.589 | 2.857 | 3.571 | 4.598 | 5.357 |
| Frames per Second (Double) | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.07767 | 0.08571 | 0.10713 | 0.13794 | 0.16071 |
| Record Size per Minute (MBytes) | 4.6602 | 5.1426 | 6.4278 | 8.2764 | 9.6426 |
| Record Size per Hour (MBytes) | 279.612 | 308.556 | 385.668 | 496.584 | 578.556 |
| Record Size per Day (MBytes) | 6710.69 | 7405.344 | 9256.032 | 11918.016 | 13885.34 |

* The data revealed here is only for reference. The real recording capacity depends on the view and environment.

* The real data consumption depends on the video content, in addition, you have to add the audio data consumption if there is any.

* For real-time calculation, please download the calculating tool from <http://www.vivotek.com/download/faq/calculator.zip>, which is provided by VIVOTEK Inc.



Recording Time 7000 Series IP7138-7139

MPEG4

176x144

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|--------|----------|---------|----------|-----------|
| Frame Size (KBytes) | 0.18 | 0.257 | 0.328 | 0.435 | 0.511 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.0054 | 0.00771 | 0.00984 | 0.01305 | 0.01533 |
| Record Size per Minute (MBytes) | 0.324 | 0.4626 | 0.5904 | 0.783 | 0.9198 |
| Record Size per Hour (MBytes) | 19.44 | 27.756 | 35.424 | 46.98 | 55.188 |
| Record Size per Day (MBytes) | 466.56 | 666.144 | 850.176 | 1127.52 | 1324.512 |

320x240

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|---------|----------|----------|----------|-----------|
| Frame Size (KBytes) | 0.415 | 0.471 | 0.568 | 0.811 | 0.975 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.01245 | 0.01413 | 0.01704 | 0.02433 | 0.02925 |
| Record Size per Minute (MBytes) | 0.747 | 0.8478 | 1.0224 | 1.4598 | 1.755 |
| Record Size per Hour (MBytes) | 44.82 | 50.868 | 61.344 | 87.588 | 105.3 |
| Record Size per Day (MBytes) | 1075.68 | 1220.832 | 1472.256 | 2102.112 | 2527.2 |

640x480

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|---------|----------|-----------|
| Frame Size (KBytes) | 1.522 | 1.572 | 2.03 | 2.871 | 3.528 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.04566 | 0.04716 | 0.0609 | 0.08613 | 0.10584 |
| Record Size per Minute (MBytes) | 2.7396 | 2.8296 | 3.654 | 5.1678 | 6.3504 |
| Record Size per Hour (MBytes) | 164.376 | 169.776 | 219.24 | 310.068 | 381.024 |
| Record Size per Day (MBytes) | 3945.024 | 4074.624 | 5261.76 | 7441.632 | 9144.576 |

Motion JPEG

176x144

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|----------|-----------|
| Frame Size (KBytes) | 2.197 | 2.692 | 3.579 | 4.76 | 5.673 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.06591 | 0.08076 | 0.10737 | 0.1428 | 0.17019 |
| Record Size per Minute (MBytes) | 3.9546 | 4.8456 | 6.4422 | 8.568 | 10.2114 |
| Record Size per Hour (MBytes) | 237.276 | 290.736 | 386.532 | 514.08 | 612.684 |
| Record Size per Day (MBytes) | 5694.624 | 6977.664 | 9276.768 | 12337.92 | 14704.42 |

320x240

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|-----------|-----------|
| Frame Size (KBytes) | 4.118 | 5.059 | 7.296 | 9.706 | 12.108 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.12354 | 0.15177 | 0.21888 | 0.29118 | 0.36324 |
| Record Size per Minute (MBytes) | 7.4124 | 9.1062 | 13.1328 | 17.4708 | 21.7944 |
| Record Size per Hour (MBytes) | 444.744 | 546.372 | 787.968 | 1048.248 | 1307.664 |
| Record Size per Day (MBytes) | 10673.86 | 13112.93 | 18911.23 | 25157.952 | 31383.94 |

640x480

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|-----------|-----------|
| Frame Size (KBytes) | 11.163 | 13.96 | 20.788 | 28.394 | 36.029 |
| Frames per Second | 30 | 30 | 30 | 30 | 30 |
| Record Size per Second (MBytes) | 0.33489 | 0.4188 | 0.62364 | 0.85182 | 1.08087 |
| Record Size per Minute (MBytes) | 20.0934 | 25.128 | 37.4184 | 51.1092 | 64.8522 |
| Record Size per Hour (MBytes) | 1205.604 | 1507.68 | 2245.104 | 3066.552 | 3891.132 |
| Record Size per Day (MBytes) | 28934.5 | 36184.32 | 53882.5 | 73597.248 | 93387.17 |

800x600

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|-----------|-----------|
| Frame Size (KBytes) | 3.962 | 4.211 | 5.446 | 7.832 | 9.16 |
| Frames per Second | 8 | 8 | 8 | 8 | 8 |
| Record Size per Second (MBytes) | 0.031696 | 0.033688 | 0.043568 | 0.062656 | 0.07328 |
| Record Size per Minute (MBytes) | 1.90176 | 2.02128 | 2.61408 | 3.75936 | 4.3968 |
| Record Size per Hour (MBytes) | 114.1056 | 121.2768 | 156.8448 | 225.5616 | 263.808 |
| Record Size per Day (MBytes) | 2738.534 | 2910.643 | 3764.275 | 5413.4784 | 6331.392 |

800x600

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|-----------|-----------|
| Frame Size (KBytes) | 15.682 | 19.347 | 28.535 | 38.386 | 48.808 |
| Frames per Second | 8 | 8 | 8 | 8 | 8 |
| Record Size per Second (MBytes) | 0.125456 | 0.154776 | 0.22828 | 0.307088 | 0.390464 |
| Record Size per Minute (MBytes) | 7.52736 | 9.28656 | 13.6968 | 18.42528 | 23.42784 |
| Record Size per Hour (MBytes) | 451.6416 | 557.1936 | 821.808 | 1105.5168 | 1405.67 |
| Record Size per Day (MBytes) | 10839.4 | 13372.65 | 19723.39 | 26532.403 | 33736.09 |

1280x1024

| Fixed Quality | Medium | Standard | Good | Detailed | Excellent |
|---------------------------------|----------|----------|----------|-----------|-----------|
| Frame Size (KBytes) | 35.213 | 40.59 | 54.406 | 82.272 | 106.226 |
| Frames per Second | 8 | 8 | 8 | 8 | 8 |
| Record Size per Second (MBytes) | 0.281704 | 0.32472 | 0.435248 | 0.658176 | 0.849808 |
| Record Size per Minute (MBytes) | 16.90224 | 19.4832 | 26.11488 | 39.49056 | 50.98848 |
| Record Size per Hour (MBytes) | 1014.134 | 1168.992 | 1566.893 | 2369.4336 | 3059.309 |
| Record Size per Day (MBytes) | 24339.23 | 28055.81 | 37605.43 | 56866.406 | 73423.41 |

* The real data consumption depends on the video content, in addition, you have to add the audio data consumption if there is any.

* For real-time calculation, please download the calculating tool from <http://www.vivotek.com/download/faq/calculator.zip>, which is provided by VIVOTEK Inc.