| /home/fmanco/Download/report.tar.gz | nframes | FPS | Predictor | qY | qU | qV | original size | encoded size | encode time | decode time | entropy (original) Y | entropy (original) U | entropy (original) V | entropy (encoded) Y | entropy (encoded) U | entropy (encoded) V | PSNR Y | PSNR U | PSNR V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| videos/carphone-176x144-30.yuv | 382 | 30 | 6 | 1 | 1 | 1 | 14522128 | 10866519 | 2836 | 2211 | -7,86514 | -4,5749 | -4,60808 | -7,186514 | -4,5749 | -4,60808 | | | |
| videos/coastguard-176x144-30.yuv | 300 | 30 | 6 | 1 | 1 | 1 | 11404816 | 9835997 | 2571 | 1700 | -7,281354 | -3,637156 | -2,92245 | -7,281354 | -3,637156 | -2,92245 | | | |
| videos/ducks_take_off-1280x720-50-444.yuv | 10 | 50 | 6 | 1 | 1 | 1 | 27648017 | 19453403 | 4927 | 3820 | -7,66418 | -5,57201 | -4,17634 | -7,66418 | -5,57201 | -4,17634 | | | |
| videos/football-176x144-30-422.yuv | 360 | 30 | 6 | 1 | 1 | 1 | 18247696 | 14626601 | 3232 | 2975 | -6,676967 | -5,109619 | -4,382244 | -6,676967 | -5,109619 | -4,382244 | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 30 | 6 | 1 | 1 | 1 | 18247696 | 17511717 | 3673 | 2877 | -7,581749 | -4,792774 | -4,540744 | -7,581749 | -4,792774 | -4,540744 | | | |
| videos/mobile_calendar-176x144-30-422.yuv | 360 | 30 | 6 | 1 | 1 | 1 | 18247696 | 18614951 | 3810 | 3160 | -7,396105 | -5,515289 | -5,615022 | -7,396105 | -5,515289 | -5,615022 | | | |
| videos/news-176x144-30.yuv | 300 | 30 | 6 | 1 | 1 | 1 | 11404816 | 9256696 | 2036 | 1733 | -6,976995 | -4,91043 | -4,98452 | -6,76995 | -4,91043 | -4,98452 | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 50 | 6 | 1 | 1 | 1 | 27648017 | 17674089 | 4336 | 3686 | -7,61099 | -4,72411 | -4,61091 | -7,61099 | -4,72411 | -4,61091 | | | |
| videos/park_joy-1280x720-50-444.yuv | 10 | 50 | 6 | 1 | 1 | 1 | 27648017 | 17645188 | 4304 | 3732 | -6,20657 | -4,92913 | -4,61022 | -6,20657 | -4,92913 | -4,61022 | | | |
| videos/carphone-176x144-30.yuv | 382 | 30 | 7 | 1 | 1 | 1 | 14522128 | 10103855 | 2678 | 2251 | -7,86514 | -4,5749 | -4,60808 | -7,86514 | -4,5749 | -4,60808 | | | |
| videos/coastguard-176x144-30.yuv | 300 | 30 | 7 | 1 | 1 | 1 | 11404816 | 8763040 | 2154 | 1840 | -7,81354 | -3,37156 | -2,2245 | -7,81354 | -3,37156 | -2,2245 | | | |
| videos/ducks_take_off-1280x720-50-444.yuv | 10 | 50 | 7 | 1 | 1 | 1 | 27648017 | 18272405 | 4894 | 4192 | -7,66418 | -5,57201 | -4,17634 | -7,66418 | -5,57201 | -4,17634 | | | |
| videos/football-176x144-30-422.yuv | 360 | 30 | 7 | 1 | 1 | 1 | 18247696 | 14278740 | 3416 | 3024 | -6,76967 | -5,09619 | -4,82244 | -6,76967 | -5,09619 | -4,82244 | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 30 | 7 | 1 | 1 | 1 | 18247696 | 16468635 | 3749 | 3329 | -7,81749 | -4,92774 | -4,40744 | -7,81749 | -4,92774 | -4,40744 | | | |
| videos/mobile_calendar-176x144-30-422.yuv | 360 | 30 | 7 | 1 | 1 | 1 | 18247696 | 18276557 | 3961 | 3346 | -7,96105 | -5,15289 | -5,15022 | -7,96105 | -5,15289 | -5,15022 | | | |
| videos/news-176x144-30.yuv | 300 | 30 | 7 | 1 | 1 | 1 | 11404816 | 8353845 | 2216 | 1822 | -6,76995 | -4,91043 | -4,98452 | -6,76995 | -4,91043 | -4,98452 | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 50 | 7 | 1 | 1 | 1 | 27648017 | 17746054 | 5146 | 4495 | -7,61099 | -4,72411 | -4,61091 | -7,61099 | -4,72411 | -4,61091 | | | |
| videos/park_joy-1280x720-50-444.yuv | 10 | 50 | 7 | 1 | 1 | 1 | 27648017 | 17809243 | 5187 | 4486 | -6,20657 | -4,92913 | -4,61022 | -6,20657 | -4,92913 | -4,61022 | | | |
| videos/carphone-176x144-30.yuv | 382 | 30 | 7 | 2 | 4 | 4 | 14522128 | 8836455 | 2403 | 1805 | -7,86514 | -4,5749 | -4,60808 | -6,8455 | -2,82603 | -2,0435 | 51,42635 | 43,93169 | 43,07304 |
| videos/coastguard-176x144-30.yuv | 300 | 30 | 7 | 2 | 4 | 4 | 11404816 | 7034287 | 2021 | 1552 | -7,81354 | -3,37156 | -2,2245 | -6,9856 | -2,30295 | -1,55324 | 51,25526 | 44,49528 | 45,69654 |
| videos/ducks_take_off-1280x720-50-444.yuv | 10 | 50 | 7 | 2 | 4 | 4 | 27648017 | 14608306 | 4290 | 3229 | -7,66418 | -5,57201 | -4,17634 | -6,65055 | -3,17012 | -2,58069 | 51,40644 | 43,2434 | 43,44206 |
| videos/football-176x144-30-422.yuv | 360 | 30 | 7 | 2 | 4 | 4 | 18247696 | 11535934 | 2956 | 2344 | -6,76967 | -5,09619 | -4,82244 | -5,71148 | -3,52953 | -2,58671 | 51,37657 | 43,94853 | 43,24054 |
| videos/galleon-176x144-30-422.yuv | 360 | 30 | 7 | 2 | 4 | 4 | 18247696 | 12689194 | 3062 | 2499 | -7,81749 | -4,92774 | -4,40744 | -6,84358 | -2,59291 | -2,7817 | 51,04752 | 43,87708 | 43,29192 |
| videos/mobile_calendar-176x144-30-422.yuv | 360 | 30 | 7 | 2 | 4 | 4 | 18247696 | 13553677 | 3271 | 2555 | -7,96105 | -5,15289 | -5,15022 | -6,91995 | -3,45803 | -3,77778 | 51,45287 | 43,52998 | 43,57708 |
| videos/news-176x144-30.yuv | 300 | 30 | 7 | 2 | 4 | 4 | 11404816 | 7518903 | 1939 | 1499 | -6,76995 | -4,91043 | -4,98452 | -6,04795 | -3,72512 | -2,36906 | 51,49872 | 43,06709 | 44,17534 |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 50 | 7 | 2 | 4 | 4 | 27648017 | 14754488 | 4208 | 3428 | -7,61099 | -4,72411 | -4,61091 | -6,53742 | -2,132 | -2,81599 | 51,43208 | 43,85329 | 43,65444 |
| videos/park_joy-1280x720-50-444.yuv | 10 | 50 | 7 | 2 | 4 | 4 | 27648017 | 15175502 | 4511 | 3332 | -6,20657 | -4,92913 | -4,61022 | -5,16095 | -2,73381 | -2,04136 | 51,41338 | 43,94832 | 43,3613 |
| videos/carphone-176x144-30.yuv | 382 | 30 | 7 | 4 | 8 | 8 | 14522128 | 7920707 | 2233 | 1759 | -7,86514 | -4,5749 | -4,60808 | -5,01186 | -1,99667 | -1,60705 | 43,84674 | 37,8631 | 37,85692 |
| videos/coastguard-176x144-30.yuv | 300 | 30 | 7 | 4 | 8 | 8 | 11404816 | 6221609 | 1763 | 1412 | -7,81354 | -3,37156 | -2,2245 | -5,99175 | -1,4502 | -0,40359 | 43,77538 | 37,66824 | 40,35531 |
| videos/ducks_take_off-1280x720-50-444.yuv | 10 | 50 | 7 | 4 | 8 | 8 | 27648017 | 14034965 | 3972 | 3015 | -7,66418 | -5,57201 | -4,17634 | -5,62533 | -2,93122 | -1,3056 | 43,96478 | 36,25285 | 37,89146 |
| videos/football-176x144-30-422.yuv | 360 | 30 | 7 | 4 | 8 | 8 | 18247696 | 10087980 | 2734 | 2469 | -6,76967 | -5,09619 | -4,82244 | -4,59032 | -2,87342 | -1,03631 | 43,31105 | 36,50276 | 36,00863 |
| videos/galleon-176x144-30-422.yuv | 360 | 30 | 7 | 4 | 8 | 8 | 18247696 | 10684793 | 2891 | 2380 | -7,81749 | -4,92774 | -4,40744 | -5,9281 | -1,07626 | -1,04684 | 42,3042 | 38,83191 | 38,32545 |
| videos/mobile_calendar-176x144-30-422.yuv | 360 | 30 | 7 | 4 | 8 | 8 | 18247696 | 11017661 | 2933 | 2443 | -7,96105 | -5,15289 | -5,15022 | -5,86976 | -2,1972 | -2,05048 | 43,02052 | 36,66842 | 36,17355 |
| videos/news-176x144-30.yuv | 300 | 30 | 7 | 4 | 8 | 8 | 11404816 | 6501368 | 1834 | 1560 | -6,76995 | -4,91043 | -4,98452 | -5,58914 | -2,94232 | -2,20408 | 43,51504 | 35,48452 | 38,5154 |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 50 | 7 | 4 | 8 | 8 | 27648017 | 14133880 | 4288 | 3078 | -7,61099 | -4,72411 | -4,61091 | -5,46672 | -1,44236 | -1,6015 | 43,72142 | 37,38958 | 37,70363 |
| videos/park_joy-1280x720-50-444.yuv | 10 | 50 | 7 | 4 | 8 | 8 | 27648017 | 14335922 | 4334 | 3120 | -6,20657 | -4,92913 | -4,61022 | -4,16709 | -2,77915 | -1,93471 | 43,89175 | 37,49299 | 39,64935 |
| videos/carphone-176x144-30.yuv | 382 | 30 | 7 | 8 | 16 | 16 | 14522128 | 7510929 | 2123 | 1623 | -7,86514 | -4,5749 | -4,60808 | -4,52913 | -1,71879 | -1,48135 | 36,17839 | 31,73603 | 32,17912 |
| videos/coastguard-176x144-30.yuv | 300 | 30 | 7 | 8 | 16 | 16 | 11404816 | 5885124 | 1631 | 1365 | -7,81354 | -3,37156 | -2,2245 | -4,96929 | -1,09822 | -0,65947 | 36,21361 | 31,14063 | 39,3126 |
| videos/ducks_take_off-1280x720-50-444.yuv | 10 | 50 | 7 | 8 | 16 | 16 | 27648017 | 13875333 | 3968 | 3200 | -7,66418 | -5,57201 | -4,17634 | -4,56066 | -1,77164 | -0,74833 | 36,51962 | 31,43326 | 34,51949 |
| videos/football-176x144-30-422.yuv | 360 | 30 | 7 | 8 | 16 | 16 | 18247696 | 9482062 | 2778 | 2194 | -6,76967 | -5,09619 | -4,82244 | -3,52839 | -1,08123 | -1,08391 | 36,01217 | 30,30761 | 30,8344 |
| videos/galleon-176x144-30-422.yuv | 360 | 30 | 7 | 8 | 16 | 16 | 18247696 | 9749079 | 2715 | 2430 | -7,81749 | -4,92774 | -4,40744 | -4,3875 | -0,32009 | -1,75193 | 36,00717 | 31,25097 | 30,09095 |
| videos/mobile_calendar-176x144-30-422.yuv | 360 | 30 | 7 | 8 | 16 | 16 | 18247696 | 9842138 | 2729 | 2372 | -7,96105 | -5,15289 | -5,15022 | -4,9938 | -1,28941 | -2,21879 | 36,36409 | 30,92947 | 30,21012 |
| videos/news-176x144-30.yuv | 300 | 30 | 7 | 8 | 16 | 16 | 11404816 | 6024161 | 1665 | 1478 | -6,76995 | -4,91043 | -4,98452 | -4,53112 | -1,64636 | -1,3531 | 37,7561 | 28,76719 | 31,4704 |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 50 | 7 | 8 | 16 | 16 | 27648017 | 13919329 | 4029 | 3124 | -7,61099 | -4,72411 | -4,61091 | -4,53607 | -0,74077 | -0,74821 | 37,80059 | 32,68815 | 34,25663 |
| videos/park_joy-1280x720-50-444.yuv | 10 | 50 | 7 | 8 | 16 | 16 | 27648017 | 13993481 | 3932 | 3073 | -6,20657 | -4,92913 | -4,61022 | -3,41391 | -1,83184 | -0,19399 | 37,84582 | 30,57099 | 33,79356 |

| Compression Rate | Compression times (ms / frame) | | | | | | |
|---|---|---|---|---|---|---|---|
| 25% | 7,42 | Average compression rates | | | | | |
| 14% | 8,57 | Lossless | | | | | |
| 30% | 492,70 | Predictor 6: | 20% | | | | |
| 20% | 8,98 | Predictor 7: | 24% | | | | |
| 4% | 10,20 | Lossy | | | | | |
| -2% | 10,58 | Quant(2, 4, 4): | 38% | | | | |
| 19% | 6,79 | Quant(4, 8, 8): | 45% | | | | |
| 36% | 433,60 | Quant(8, 16, 16): | 48% | | | | |
| 36% | 430,40 | | | | | | |
| 30% | 7,01 | | | | | | |
| 23% | 7,18 | | | | | | |
| 34% | 489,40 | | | | | | |
| 22% | 9,49 | PSNR (Lossy coding) | | | | | |
| 10% | 10,41 | | | y | u | v | |
| 0% | 11,00 | Quant(2, 4, 4): | | 51,37 | 43,77 | 43,72 | |
| 27% | 7,39 | Quant(4, 8, 8): | | 43,48 | 37,13 | 38,05 | 39,5549981481482 |
| 36% | 514,60 | Quant(8, 16, 16): | | 36,74 | 30,98 | 32,96 | 33,5625603703704 |
| 36% | 518,70 | | | . | | | |
| 39% | 6,29 | | | | | | |
| 38% | 6,74 | | | | | | |
| 47% | 429,00 | | | | | | |
| 37% | 8,21 | | | | | | |
| 30% | 8,51 | | | | | | |
| 26% | 9,09 | | | | | | |
| 34% | 6,46 | | | | | | |
| 47% | 420,80 | | | | | | |
| 45% | 451,10 | | | | | | |
| 45% | 5,85 | | | | | | |
| 45% | 5,88 | | | | | | |
| 49% | 397,20 | | | | | | |
| 45% | 7,59 | | | | | | |
| 41% | 8,03 | | | | | | |
| 40% | 8,15 | | | | | | |
| 43% | 6,11 | | | | | | |
| 49% | 428,80 | | | | | | |
| 48% | 433,40 | | | | | | |
| 48% | 5,56 | | | | | | |
| 48% | 5,44 | | | | | | |
| 50% | 396,80 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 48% | 7,72 | | | | | |
| 47% | 7,54 | | | | | |
| 46% | 7,58 | | | | | |
| 47% | 5,55 | | | | | |
| 50% | 402,90 | | | | | |
| 49% | 393,20 | | | | | |

| Video | nframes | Block size | area | keyFrame period | qY | qU | qV | original size | encoded size | encode time | decode time | entropy (original) Y | entropy (original) U | entropy (original) V | entropy (encoded) Y | entropy (encoded) U | entropy (encoded) V | PSNR Y | PSNR U | PSNR V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| videos/football-176x144-30-422.yuv | 360 | 5 | 10 | 1000000 | 1 | 1 | 1 | 18247696 | 13310018 | 28868 | 1965 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 5 | 10 | 1000000 | 1 | 1 | 1 | 18247696 | 11040284 | 23411 | 1570 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 5 | 10 | 1000000 | 1 | 1 | 1 | 27648017 | 19012832 | 37038 | 4005 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 10 | 1000000 | 1 | 1 | 1 | 18247696 | 13579847 | 20052 | 1805 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 10 | 1000000 | 1 | 1 | 1 | 18247696 | 10400848 | 18884 | 1513 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 1000000 | 1 | 1 | 1 | 27648017 | 18522180 | 28582 | 3459 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 15 | 10 | 1000000 | 1 | 1 | 1 | 18247696 | 14062955 | 18493 | 1903 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 15 | 10 | 1000000 | 1 | 1 | 1 | 18247696 | 10207626 | 17806 | 1566 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 15 | 10 | 1000000 | 1 | 1 | 1 | 27648017 | 18554488 | 26908 | 3060 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 5 | 1000000 | 1 | 1 | 1 | 18247696 | 14033977 | 7090 | 2103 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 5 | 1000000 | 1 | 1 | 1 | 18247696 | 10385746 | 6617 | 1548 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 5 | 1000000 | 1 | 1 | 1 | 27648017 | 18544240 | 10429 | 3315 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 10 | 1000000 | 1 | 1 | 1 | 18247696 | 13579847 | 19782 | 1961 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 10 | 1000000 | 1 | 1 | 1 | 18247696 | 10400848 | 18756 | 1433 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 1000000 | 1 | 1 | 1 | 27648017 | 18522180 | 30152 | 2774 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 15 | 1000000 | 1 | 1 | 1 | 18247696 | 13455407 | 38318 | 1844 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 15 | 1000000 | 1 | 1 | 1 | 18247696 | 10400984 | 35529 | 1363 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 15 | 1000000 | 1 | 1 | 1 | 27648017 | 18502612 | 55208 | 3192 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 10 | 0 | 1 | 1 | 1 | 18247696 | 13091103 | 12098 | 2297 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 10 | 0 | 1 | 1 | 1 | 18247696 | 10400313 | 18646 | 1433 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 0 | 1 | 1 | 1 | 27648017 | 18521557 | 29160 | 2903 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 10 | 10 | 1 | 1 | 1 | 18247696 | 13647035 | 17627 | 2194 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 10 | 10 | 1 | 1 | 1 | 18247696 | 10991471 | 17203 | 1600 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 10 | 1 | 1 | 1 | 27648017 | 18521555 | 28605 | 2872 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 10 | 20 | 1 | 1 | 1 | 18247696 | 13616204 | 18462 | 1785 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 10 | 20 | 1 | 1 | 1 | 18247696 | 10688099 | 17219 | 1544 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 20 | 1 | 1 | 1 | 27648017 | 18521555 | 28393 | 3034 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 10 | 50 | 1 | 1 | 1 | 18247696 | 13594803 | 18853 | 1852 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 10 | 50 | 1 | 1 | 1 | 18247696 | 10518926 | 18250 | 1549 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 50 | 1 | 1 | 1 | 27648017 | 18521555 | 28886 | 3527 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/football-176x144-30-422.yuv | 360 | 10 | 10 | 100 | 1 | 1 | 1 | 18247696 | 13590696 | 19455 | 2000 | -6,76967 | -5,09619 | -4,82244 | | | | | | |
| videos/galleon-176x144-30-422.yuv | 360 | 10 | 10 | 100 | 1 | 1 | 1 | 18247696 | 10450836 | 21255 | 4092 | -7,81749 | -4,92774 | -4,40744 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 100 | 1 | 1 | 1 | 27648017 | 18521555 | 30148 | 2903 | -7,61099 | -4,72411 | -4,61091 | | | | | | |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 0 | 2 | 4 | 4 | 27648017 | 14886653 | 27636 | 2232 | -7,61099 | -4,72411 | -4,61091 | -6,53138 | -2,11721 | -2,87701 | 51,43208 | 43,4078 | 43,48051 |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 0 | 4 | 8 | 8 | 27648017 | 14380763 | 28335 | 1890 | -7,61099 | -4,72411 | -4,61091 | -5,44521 | -1,2861 | -1,37523 | 43,60521 | 37,31936 | 37,48402 |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 10 | 10 | 0 | 8 | 16 | 16 | 27648017 | 14279491 | 30249 | 1850 | -7,61099 | -4,72411 | -4,61091 | -4,45927 | -0,22408 | -0,91791 | 37,88771 | 32,13612 | 34,02025 |

| Compression Rate | Compression times (ms / frame) |
|---|---|
| 27% | 80,19 |
| 39% | 65,03 |
| 31% | 3 703,80 |
| 26% | 55,70 |
| 43% | 52,46 |
| 33% | 2 858,20 |
| | |
| 23% | 51,37 |
| 44% | 49,46 |
| 33% | 2 690,80 |
| 23% | 19,69 |
| | |
| 43% | 18,38 |
| 33% | 1 042,90 |
| 26% | 54,95 |
| 43% | 52,10 |
| | |
| 33% | 3 015,20 |
| 26% | 106,44 |
| 43% | 98,69 |
| 33% | 5 520,80 |
| 28% | 33,61 |
| 43% | 51,79 |
| 33% | 2 916,00 |
| 25% | 48,96 |
| 40% | 47,79 |
| 33% | 2 860,50 |
| 25% | 51,28 |
| 41% | 47,83 |
| 33% | 2 839,30 |
| 25% | 52,37 |
| 42% | 50,69 |
| 33% | 2 888,60 |
| 26% | 54,04 |
| 43% | 59,04 |
| 33% | 3 014,80 |
| 46% | 2 763,60 |
| 48% | 2 833,50 |
| 48% | 3 024,90 |

**Average compression time**

| 1280x720 | 2 998 |
|---|---|

**Average Compression rate**

| BlockSize | | Time |
|---|---|---|
| | Taxa de Compressão | Tempo / Frame |
| 5 | 32,60% | 1 283 |
| 10 | 33,86% | 989 |
| 15 | 33,29% | 931 |

**Search area**

| Área de pesquisa | Taxa de Compressão | Tempo / Frame |
|---|---|---|
| 5 | 33,03% | 360 |
| 10 | 33,86% | 1 041 |
| 15 | 34,11% | 1 909 |

**Key frame period**

| Área de pesquisa | Taxa de Compressão | Tempo / Frame |
|---|---|---|
| 0 | 34,76% | 1 000 |
| 10 | 32,66% | 986 |
| 20 | 33,27% | 979 |
| 50 | 33,62% | 997 |
| 100 | 33,75% | 1 043 |

**PSNR (Lossy coding)**

| | y | u | v |
|---|---|---|---|
| Quant(2, 4, 4): | 51,43 | 43,41 | 43,48 |
| Quant(4, 8, 8): | 43,61 | 37,32 | 37,48 |
| Quant(8, 16, 16): | 37,89 | 32,14 | 34,02 |

| Video | nframes | quant | o_size | e_size | enc_time | dec_time | o_enty | o_entu | o_entv | e_enty | e_entu | e_entv | psnry | psnru | psnrv |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| videos/carphone-176x144-30.yuv | 382 | 0 | 14522128 | 13870485 | 19512 | 12916 | -7,86514 | -4,5749 | -4,60808 | -7,89806 | -4,6522 | -4,69984 | 58,09462 | 58,15985 | 58,25648 |
| videos/coastguard-176x144-30.yuv | 300 | 0 | 11404816 | 11068760 | 15198 | 9196 | -7,81354 | -3,37156 | -2,2245 | -7,83918 | -3,65919 | -2,41224 | 43,68871 | 59,41094 | 59,27553 |
| videos/ducks_take_off-1280x720-50-444.yuv | 10 | 0 | 27648017 | 24380310 | 38445 | 20545 | -7,66418 | -5,57201 | -4,17634 | -7,66496 | -5,58086 | -4,20504 | 58,12037 | 58,09901 | 58,10786 |
| videos/football-176x144-30-422.yuv | 360 | 0 | 18247696 | 16811180 | 24923 | 15579 | -6,76967 | -5,09619 | -4,82244 | -6,7765 | -5,17424 | -4,88383 | 58,12247 | 58,30317 | 58,43874 |
| videos/galleon-176x144-30-422.yuv | 360 | 0 | 18247696 | 20082412 | 25254 | 15243 | -7,81749 | -4,92774 | -4,40744 | -7,88809 | -4,985 | -4,47045 | 58,44347 | 59,88097 | 59,97321 |
| videos/mobile_calendar-176x144-30-422.yuv | 360 | 0 | 18247696 | 21982006 | 25944 | 15153 | -7,96105 | -5,15289 | -5,15022 | -7,98012 | -5,19305 | -5,19357 | 58,17736 | 58,34933 | 58,43851 |
| videos/news-176x144-30.yuv | 300 | 0 | 11404816 | 12263409 | 15549 | 9131 | -6,76995 | -4,91043 | -4,98452 | -6,83353 | -5,0908 | -4,28098 | 38,84081 | 59,2771 | 59,04375 |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 0 | 27648017 | 20504985 | 37893 | 19162 | -7,61099 | -4,72411 | -4,61091 | -7,61695 | -4,73191 | -4,63493 | 58,16107 | 58,11785 | 58,05731 |
| videos/park_joy-1280x720-50-444.yuv | 10 | 0 | 27648017 | 23126088 | 37220 | 20379 | -6,20657 | -4,92913 | -4,61022 | -6,21617 | -4,97499 | -4,66973 | 58,07326 | 58,13074 | 58,10332 |
| videos/carphone-176x144-30.yuv | 382 | 100 | 14522128 | 7555370 | 18507 | 11297 | -7,86514 | -4,5749 | -4,60808 | -7,33999 | -4,36166 | -4,86257 | 33,85252 | 38,33018 | 39,18002 |
| videos/coastguard-176x144-30.yuv | 300 | 100 | 11404816 | 5900958 | 13533 | 8775 | -7,81354 | -3,37156 | -2,2245 | -7,00612 | -3,15139 | -2,93549 | 27,39594 | 41,00922 | 43,90303 |
| videos/ducks_take_off-1280x720-50-444.yuv | 10 | 100 | 27648017 | 14208316 | 37431 | 19771 | -7,66418 | -5,57201 | -4,17634 | -7,73253 | -5,45294 | -4,04239 | 34,58537 | 33,50616 | 37,37519 |
| videos/football-176x144-30-422.yuv | 360 | 100 | 18247696 | 9367845 | 23720 | 13945 | -6,76967 | -5,09619 | -4,82244 | -6,76477 | -4,10706 | -4,1001 | 31,45475 | 35,51166 | 38,61934 |
| videos/galleon-176x144-30-422.yuv | 360 | 100 | 18247696 | 9509798 | 24277 | 14097 | -7,81749 | -4,92774 | -4,40744 | -7,24831 | -4,37539 | -4,13962 | 24,16978 | 36,89587 | 36,03308 |
| videos/mobile_calendar-176x144-30-422.yuv | 360 | 100 | 18247696 | 9484668 | 23286 | 13599 | -7,96105 | -5,15289 | -5,15022 | -7,4889 | -5,95032 | -5,15511 | 26,13917 | 33,09495 | 32,35127 |
| videos/news-176x144-30.yuv | 300 | 100 | 11404816 | 5988489 | 13693 | 8420 | -6,76995 | -4,91043 | -4,98452 | -7,41157 | -5,35748 | -4,42247 | 24,76992 | 36,8542 | 38,5609 |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 100 | 27648017 | 14034024 | 34636 | 19865 | -7,61099 | -4,72411 | -4,61091 | -6,73206 | -4,7887 | -3,87975 | 34,47749 | 36,88605 | 38,82117 |
| videos/park_joy-1280x720-50-444.yuv | 10 | 100 | 27648017 | 14182543 | 36436 | 19132 | -6,20657 | -4,92913 | -4,61022 | -6,09957 | -4,62255 | -3,41192 | 32,25501 | 35,34809 | 38,63813 |
| videos/carphone-176x144-30.yuv | 382 | 250 | 14522128 | 7352058 | 17911 | 10779 | -7,86514 | -4,5749 | -4,60808 | -7,94584 | -3,76558 | -3,16322 | 30,8112 | 35,9329 | 36,11927 |
| videos/coastguard-176x144-30.yuv | 300 | 250 | 11404816 | 5761404 | 13588 | 8602 | -7,81354 | -3,37156 | -2,2245 | -7,25709 | -2,03228 | -0,81433 | 25,52835 | 39,22205 | 41,76583 |
| videos/ducks_take_off-1280x720-50-444.yuv | 10 | 250 | 27648017 | 13942014 | 35001 | 19777 | -7,66418 | -5,57201 | -4,17634 | -7,79916 | -5,92646 | -2,62004 | 31,97855 | 31,00747 | 35,01685 |
| videos/football-176x144-30-422.yuv | 360 | 250 | 18247696 | 9184850 | 23559 | 14446 | -6,76967 | -5,09619 | -4,82244 | -6,49456 | -4,99693 | -2,3824 | 27,75128 | 33,46049 | 35,91592 |
| videos/galleon-176x144-30-422.yuv | 360 | 250 | 18247696 | 9238479 | 23625 | 13731 | -7,81749 | -4,92774 | -4,40744 | -7,48939 | -3,33603 | -2,60759 | 21,13325 | 35,21065 | 35,7259 |
| videos/mobile_calendar-176x144-30-422.yuv | 360 | 250 | 18247696 | 9217967 | 22466 | 13544 | -7,96105 | -5,15289 | -5,15022 | -7,19753 | -4,12587 | -4,97549 | 23,24786 | 30,27559 | 30,46981 |
| videos/news-176x144-30.yuv | 300 | 250 | 11404816 | 5790745 | 13130 | 8102 | -6,76995 | -4,91043 | -4,98452 | -6,87381 | -4,85298 | -4,32963 | 23,73453 | 33,20812 | 35,23351 |
| videos/old_town_cross-1280x720-50-444.yuv | 10 | 250 | 27648017 | 13886313 | 35929 | 19098 | -7,61099 | -4,72411 | -4,61091 | -6,93789 | -2,73593 | -2,44379 | 31,36897 | 35,70885 | 36,50163 |
| videos/park_joy-1280x720-50-444.yuv | 10 | 250 | 27648017 | 13939863 | 37352 | 19946 | -6,20657 | -4,92913 | -4,61022 | -5,88761 | -3,40255 | -2,4083 | 29,06214 | 33,38444 | 36,02734 |

| Compression Rate | Compression times (ms / frame) | PSNR (dB) |
|---|---|---|
| 4% | 51 | 58,17 |
| 3% | 51 | 54,13 |
| 12% | 3 845 | 58,11 |
| 8% | 69 | 58,29 |
| -10% | 70 | 59,43 |
| -20% | 72 | 58,32 |
| -8% | 52 | 52,39 |
| 26% | 3 789 | 58,11 |
| 16% | 3 722 | 58,10 |
| 48% | 48 | 37,12 |
| 48% | 45 | 37,44 |
| 49% | 3 743 | 35,16 |
| 49% | 66 | 35,20 |
| 48% | 67 | 32,37 |
| 48% | 65 | 30,53 |
| 47% | 46 | 33,40 |
| 49% | 3 464 | 36,73 |
| 49% | 3 644 | 35,41 |
| 49% | 47 | 34,29 |
| 49% | 45 | 35,51 |
| 50% | 3 500 | 32,67 |
| 50% | 65 | 32,38 |
| 49% | 66 | 30,69 |
| 49% | 62 | 28,00 |
| 49% | 44 | 30,73 |
| 50% | 3 593 | 34,53 |
| 50% | 3 735 | 32,82 |

| Average Quantization | Compression Rate | Compression Time | PSNR(avg) | PSNR Y | PSNR U | PSNR V |
|---|---|---|---|---|---|---|
| 0 | 3% | 1 302 | 57,23 | | | |
| 100 | 48% | 1 243 | 34,82 | 29,8999944444444 | 36,38182 | 38,1646811111111 |
| 250 | 50% | 1 240 | 32,40 | 27,17957 | 34,1567288888889 | 35,8640066666667 |