|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dataset | Noise | Algo. | PSNR | SSIM | CWSSIM | UNIQUE | MSUNIQUE | SUMMER | CSV |
| CURE-TSD | Codec Error | AD | -5.7670 | -0.0136 | -0.0028 | +0.0000 | +0.0000 | -0.1214 | +0.0000 |
| AGC | -4.8776 | -0.1222 | -0.1068 | -0.2892 | -0.2578 | -0.3348 | -0.0108 |
| MAXIM | -4.3234 | -0.2492 | -0.0640 | -0.2176 | -0.2060 | -0.3172 | -0.0094 |
| Darkening | AD | -9.6676 | -0.0280 | -0.0046 | +0.0000 | +0.0000 | -0.0592 | +0.0000 |
| AGC | -4.3912 | -0.0866 | -0.0974 | -0.2210 | -0.1976 | -0.1426 | -0.0126 |
| MAXIM | -2.8234 | -0.0274 | -0.0052 | +0.0050 | +0.0034 | -0.0422 | -0.0006 |
| Decolorization | AD | -12.7982 | -0.0108 | -0.0028 | +0.0000 | +0.0000 | -0.0046 | +0.0000 |
| AGC | -2.3880 | -0.0764 | -0.0548 | -0.0142 | -0.0230 | +0.0034 | -0.0058 |
| MAXIM | -2.0112 | +0.0194 | +0.0010 | +0.0076 | +0.0150 | +0.0550 | -0.0004 |
| Dirty Lens | AD | -18.9126 | -0.0068 | -0.0036 | +0.0000 | +0.0000 | -0.0150 | +0.0000 |
| AGC | +0.1500 | +0.2652 | +0.2866 | -0.3350 | -0.3142 | +0.1336 | -0.0036 |
| MAXIM | +0.5744 | +0.4442 | +0.4330 | -0.1428 | -0.1364 | +0.3060 | +0.0046 |
| Exposure | AD | -10.6560 | -0.0218 | -0.0034 | +0.0000 | +0.0000 | -0.0794 | +0.0000 |
| AGC | -1.7480 | -0.0920 | -0.0412 | -0.1230 | -0.1086 | -0.1410 | -0.0050 |
| MAXIM | -1.2224 | -0.1712 | -0.0334 | -0.0934 | -0.0826 | -0.1278 | -0.0050 |
| GaussianBlur | AD | -21.1694 | -0.0066 | +0.0070 | +0.0000 | +0.0000 | -0.0094 | +0.0000 |
| AGC | +0.1054 | -0.0154 | +0.0112 | +0.0004 | -0.0006 | +0.0514 | -0.0012 |
| MAXIM | -0.3946 | -0.0030 | +0.0380 | -0.0056 | -0.0102 | +0.0624 | +0.0020 |
| Haze | AD | -9.7532 | -0.0260 | -0.0040 | +0.0000 | +0.0000 | -0.0508 | +0.0000 |
| AGC | -4.1162 | -0.0794 | -0.0958 | -0.2022 | -0.1854 | -0.1192 | -0.0118 |
| MAXIM | -2.2068 | -0.0232 | -0.0030 | +0.0214 | +0.0182 | -0.0344 | +0.0010 |
| Lens  Blur | AD | -9.0760 | -0.0156 | -0.0062 | +0.0000 | +0.0000 | -0.0674 | +0.0000 |
| AGC | -1.3424 | -0.0582 | -0.0616 | -0.1002 | -0.0994 | -0.1742 | -0.0078 |
| MAXIM | -0.5498 | +0.1352 | +0.0094 | +0.0064 | +0.0430 | -0.0542 | +0.0002 |
| Noise | AD | -12.2050 | -0.0078 | +0.0028 | +0.0000 | +0.0000 | -0.0056 | +0.0000 |
| AGC | -0.0584 | +0.0036 | +0.0336 | -0.0028 | -0.0020 | +0.0042 | -0.0004 |
| MAXIM | +0.2886 | +0.0422 | +0.1278 | +0.0158 | +0.0284 | +0.0698 | +0.0036 |
| Rain | AD | -14.6338 | -0.0210 | -0.0030 | +0.0000 | +0.0000 | -0.0544 | +0.0000 |
| AGC | -2.1540 | -0.0400 | -0.0436 | -0.0396 | -0.0400 | -0.0604 | -0.001 |
| MAXIM | -2.5882 | -0.0276 | -0.0282 | -0.0328 | -0.0336 | -0.0584 | +0.0000 |
| Shadow | AD | -14.8162 | -0.0124 | -0.0012 | +0.0000 | +0.0000 | -0.0306 | +0.0000 |
| AGC | -2.9574 | -0.0778 | -0.0490 | -0.0878 | -0.0812 | -0.0800 | -0.004 |
| MAXIM | -2.2812 | +0.0038 | -0.0034 | -0.0144 | -0.0086 | -0.0214 | +0.0008 |
| Snow | AD | -13.4326 | -0.0128 | -0.0030 | +0.0000 | +0.0000 | -0.0140 | +0.0000 |
| AGC | -0.0716 | +0.0426 | +0.0558 | -0.1098 | -0.0970 | +0.0578 | +0.0002 |
| MAXIM | +0.6572 | +0.1272 | +0.1794 | -0.0432 | -0.0246 | +0.1382 | +0.0068 |