|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dataset | Noise | Algo. | PSNR | SSIM | CWSSIM | UNIQUE | MSUNIQUE | SUMMER | CSV |
| CURE-TSR | Codec Error | AD | -16.7778 | -0.0312 | -0.0028 | +0.0000 | +0.0000 | -0.0058 | +0.0000 |
| AGC | -0.4446 | -0.0684 | -0.0072 | -0.0004 | -0.0012 | +0.0350 | -0.0016 |
| MAXIM | -0.3864 | -0.0594 | -0.0082 | +0.0000 | -0.0002 | +0.0474 | -0.0008 |
| Darkening | AD | -19.3570 | -0.0222 | -0.0024 | +0.0000 | +0.0000 | -0.0242 | +0.0000 |
| AGC | +0.1902 | +0.2004 | +0.2608 | -0.0528 | -0.0732 | +0.3068 | -0.0042 |
| MAXIM | +0.3930 | +0.2846 | +0.4038 | -0.0302 | -0.0418 | +0.3436 | +0.0004 |
| Decolorization | AD | -10.4570 | -0.0592 | -0.0012 | +0.0000 | +0.0000 | -0.0610 | +0.0000 |
| AGC | -1.5772 | -0.1624 | -0.0992 | -0.0492 | -0.0742 | -0.1730 | -0.0060 |
| MAXIM | -1.3300 | -0.1038 | -0.0320 | -0.0140 | -0.0206 | -0.0964 | -0.0006 |
| Dirty Lens | AD | -14.1200 | -0.1032 | -0.0144 | +0.0000 | +0.0000 | -0.1024 | +0.0000 |
| AGC | -1.0794 | -0.1946 | -0.0544 | -0.0486 | -0.0636 | -0.1684 | -0.0062 |
| MAXIM | -0.7588 | -0.1168 | +0.0012 | -0.0154 | -0.0198 | -0.0948 | -0.0016 |
| Exposure | AD | -20.7070 | -0.0344 | -0.0156 | +0.0000 | +0.0000 | -0.0224 | +0.0000 |
| AGC | +0.0130 | -0.0778 | +0.0298 | -0.0056 | -0.0088 | +0.0724 | -0.0040 |
| MAXIM | +0.0804 | -0.0180 | +0.0830 | -0.0022 | -0.0032 | +0.2134 | -0.0004 |
| GaussianBlur | AD | -14.2166 | -0.0484 | +0.0024 | +0.0000 | +0.0000 | -0.0104 | +0.0000 |
| AGC | -0.2718 | -0.0910 | +0.0592 | -0.0018 | -0.0030 | +0.0456 | -0.0016 |
| MAXIM | -0.2954 | -0.0796 | +0.1070 | -0.0012 | -0.0024 | +0.1000 | -0.0018 |
| Haze | AD | -15.8750 | -0.0376 | -0.0030 | +0.0000 | +0.0000 | -0.0240 | +0.0000 |
| AGC | -0.0358 | -0.0116 | +0.2708 | -0.0252 | -0.0374 | +0.1948 | -0.0026 |
| MAXIM | +0.0466 | +0.0248 | +0.3584 | -0.0158 | -0.0234 | +0.3090 | +0.0040 |
| Lens  Blur | AD | -14.2552 | -0.0570 | +0.0022 | +0.0000 | +0.0000 | -0.0132 | +0.0000 |
| AGC | -0.3892 | -0.1128 | +0.0410 | -0.0016 | -0.0026 | -0.0210 | -0.0018 |
| MAXIM | -0.4232 | -0.0980 | +0.0698 | -0.0012 | -0.0022 | +0.0668 | -0.0020 |
| Noise | AD | -13.7194 | -0.0688 | -0.0048 | +0.0000 | +0.0000 | -0.0452 | +0.0000 |
| AGC | -0.7742 | -0.1432 | -0.0384 | -0.0052 | -0.0090 | -0.0706 | -0.0044 |
| MAXIM | -0.6422 | -0.0638 | -0.0056 | -0.0010 | -0.0018 | -0.0332 | -0.0002 |
| Rain | AD | -13.3962 | -0.0408 | +0.0090 | +0.0000 | +0.0000 | -0.0146 | +0.0000 |
| AGC | +0.1114 | -0.0884 | +0.0958 | -0.0048 | -0.0110 | +0.0214 | -0.0018 |
| MAXIM | +0.0702 | -0.0752 | +0.1776 | -0.0046 | -0.0112 | +0.1814 | -0.0020 |
| Shadow | AD | -16.8660 | -0.1148 | -0.0082 | +0.0000 | +0.0000 | -0.0932 | +0.0000 |
| AGC | -2.6760 | -0.1262 | -0.0374 | -0.0578 | -0.0756 | -0.1554 | -0.0040 |
| MAXIM | -2.6118 | -0.1344 | -0.0104 | -0.0336 | -0.0442 | -0.1522 | -0.0026 |
| Snow | AD | -16.0386 | -0.0650 | -0.0032 | +0.0000 | +0.0000 | -0.0370 | +0.0000 |
| AGC | -1.1460 | -0.1440 | -0.0492 | -0.0152 | -0.0234 | -0.1176 | -0.0050 |
| MAXIM | -0.9518 | -0.0760 | -0.0126 | -0.0034 | -0.0054 | -0.0350 | -0.0008 |