|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Signal | MIN | MAX | WIDTH | format |
| Pixel\_in | -512 | 511 | 10 [9:0] | S9i0f |
| O\_RAM | -512 | 511 | 10 [9:0] | S9i0f |
| O\_r1 | -1024 | 1022 | 11 [10:0] | S10i0f |
| O\_r2 | -1024 | 1022 | 11 [10:0] | S10i0f |
| O\_r3 | -1024 | 1022 | 11 [10:0] | S10i0f |
| O\_r4 | -1024 | 1022 | 11 [10:0] | S10i0f |
| I\_r5 | -2048 | 2044 | 12 [11:0] | S11i0f |
| O\_r5 | -2048 | 2044 | 12 [11:0] | S11i0f |
| O\_r6 | -2048 | 2044 | 12 [11:0] | S11i0f |
| I\_r7 | -4096 | 4088 | 13 [12:0] | S12i0f |
| I\_r8 | -5734 | 5723 | 14 [15:0] |  |
| O\_r8 |  |  |  |  |
| O\_r9 |  |  |  |  |
| O\_r10 |  |  |  |  |
| O\_r11 |  |  |  |  |
| O\_r12 | -1024 | 1022 | 11 [10:0] | S10i0f |
| O\_r13 | -2048 | 2044 | 12 [11:0] | S11i0f |
| O\_r14 | -2048 | 2044 | 12 [11:0] | S11i0f |
| O\_r16 | -2048 | 2044 | 12 [11:0] | S11i0f |
| O\_r17 | -2048 | 2044 | 12 [11:0] | S11i0f |
| O\_r18 | -2048 | 2044 | 12 [11:0] | S11i0f |
| O\_r19 | -4096 | 4088 | 13 [12:0] | S12i0f |
|  |  |  |  |  |
| O\_mo1 | -1024 | 1022 | 11 [10:0] | S10i0f |
| O\_mo2 | -1024 | 1022 | 11 [10:0] | S10i0f |
| O\_mo3 | -4096 | 4088 | 13 [12:0] | S12i0f |
| O\_mo4 |  |  |  |  |
| O\_mo5 | -2048 | 2044 | 12 [11:0] | S11i0f |
| O\_mo6 |  |  |  |  |