# 读写指令

## 读指令

1.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名称 | Run | Id | Instaddr | Rfu | func |
| 位宽(36) | 1 | 1 | 2 | 2 | 30 |
| 功能 |  |  |  |  |  |

1. Func

instaddr=0

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 名称 | memsel | channel | rgb convert | base | Maxpool\_en | Pool\_width | Relu\_en | rfu |
| 位宽(31) | 1 | 3 | [25]1 | [24:11] 14 | [10] 1 | [9:4] 6 | [3:2] 2 | [1:0]2 |
| 功能 | 0:ram  1:sdram |  | 0:not conv  1:565to888 |  |  |  |  |  |

Instaddr=1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 名称 | Size0 | Step0 | Size1 | Step1 | Bias\_base | Rfu |
| 位宽(31) | 7 | 1 | 5 | [16:10]7 | [9:0]10 | 0 |
| 功能 | dma | dma | dma | dma |  |  |

Instaddr=2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 名称 | scale | n | fc | Rfu |
| 位宽(31) | 22 | [7:3] 5 | 2 | [0]1 |
| 功能 |  | Scale m0移位数 | 高位控制是否fc；低位控制第一层还是第二层 |  |

## 写指令

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 名称 | Run | Id | instaddr | func |
| 位宽(36) | 1 | 2 | 2 | 28 |
| 功能 |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 名称 | Size | firstk | lastk |  |  |  |  |
| 位宽(36) | 10 | 1 | 1 |  |  |  |  |
| 功能 |  |  |  |  |  |  |  |