# 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 | rfu | base | Maxpool\_en | Pool\_width | Relu\_en | fc |
| 位宽(31) | 1 | 3 | [25]1 | [24]1 | [23:11] 14 | [10] 1 | [9:4] 6 | [3:2] 2 | [1:0]2 |
| 功能 | 0:ram  1:sdram |  | 0:not conv  1:565to888 |  |  |  |  |  | 高位控制是否fc；低位控制第一层还是第二层 |

Instaddr=1

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

Instaddr=2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名称 | Bias\_base | size | n |  | Rfu |
| 位宽(31) | 9 | 9 | [7:3] 5 |  | [0]7 |
| 功能 |  |  | Scale m0移位数 |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45 | 44:39 | 38:37 | 36:35 | 34:26 | 25:17 | 16:8 | 7:3 | 2:0 |
| maxpool | poolw | reluen | Fc | scale | accbase | accsize | n | channel |

## 写指令

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 名称 | Run | Id | instaddr | func |
| 位宽(36) | 1 | 1 | 2 | 32 |
| 功能 | 35 | 34 | 33:32 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 名称 | Base | Size | Info |  |  |  |  |
| 位宽(36) | 13 | 9 | 9 |  |  |  |  |
| 功能 | [30:18] | [17:9] | [8:0] |  |  |  |  |