0xA000\_0000

|  |  |  |  |
| --- | --- | --- | --- |
| address | W/R | items | value |
| 0x0000 | W/R | brightness | 0 - 100 |
| 0x0004 | W/R | NVG brightness | 0 - 100  default 10 |
| 0x0008 | W/R | NVG mode | 0 – normal mode  1 – NVG mode |
| ~~0x000C~~ | ~~W/R~~ | ~~auto\_manu~~ | ~~0 – auto select video~~  ~~1 – manual select video~~ |
| 0x0010 | W/R | osdCtrl | Byte 3 reserve  0 – no OSD  1 – overlay OSD  Byte 2 right video  0 – no OSD  1 – overlay OSD  Byte 1 center video  0 – no OSD  1 – overlay OSD  Byte 0 left video  0 – no OSD  1 – overlay OSD |
| ~~0x0014~~ | ~~W/R~~ | ~~video source~~ | ~~0 – video source 0~~  ~~1 - video source 1~~ |
| 0x0018 | W/R | contrast value | 0 – 100 convert to -255 ~ 255  (x- 50) x 255 /50 |
| 0x001C | W/R | color value | 0 – 100 convert to -255 ~ 255  (x- 50) x 255 /50 |
| 0x0100 | read only | status | Byte 3 reserve  bit 3-0 -- sdi 3 inputs: 0 normal, 1 no signal  bit 4 -- ddr read: 0 normal, 1 no read operation  bit 5 -- ddr write: 0 normal, 1 no write operation  bit 7-6 – display: 00 normal, 01 no signal, 10 error  Byte 2 right video  bit 3-0 -- sdi 3 inputs: 0 normal, 1 no signal  bit 4 -- ddr read: 0 normal, 1 no read operation  bit 5 -- ddr write: 0 normal, 1 no write operation  bit 7-6 – display: 00 normal, 01 no signal, 10 error  Byte 1 center video  bit 3-0 -- sdi 2 inputs: 0 normal, 1 no signal  bit 4 -- ddr read: 0 normal, 1 no read operation  bit 5 -- ddr write: 0 normal, 1 no write operation  bit 7-6 – display: 00 normal, 01 no signal, 10 error  Byte 0 left video  bit 3-0 -- sdi 1 inputs: 0 normal, 1 no signal  bit 4 -- ddr read: 0 normal, 1 no read operation  bit 5 -- ddr write: 0 normal, 1 no write operation  bit 7-6 – display: 00 normal, 01 no signal, 10 error |

|  |  |  |  |
| --- | --- | --- | --- |
| OSD | address |  |  |
| Left | 0x7000\_0000 |  |  |
| Centre | 0x7400\_0000 |  |  |
| Right | 0x7800\_0000 |  |  |
| reserve | 0x7C00\_0000 |  |  |