

## View Variable in Memory

Source\_TX

Name	Type	Value
Source_TX	u8 [256]	"000,000,000,000"
0x00000000	u8	"000"
0x00000001	u8	"001"
0x00000002	u8	"002"
0x00000003	u8	"003"
0x00000004	u8	"004"
0x00000005	u8	"005"
0x00000006	u8	"006"
0x00000007	u8	"007"
0x00000008	u8	"008"
0x00000009	u8	"009"
0x0000000a	u8	"00a"
0x0000000b	u8	"00b"
0x0000000c	u8	"00c"
0x0000000d	u8	"00d"
0x0000000e	u8	"00e"
0x0000000f	u8	"00f"
0x00000010	u8	"010"
0x00000011	u8	"011"
0x00000012	u8	"012"
0x00000013	u8	"013"
0x00000014	u8	"014"

Monitors

Address	0 - 3	4 - 7	8 - B	C - F
0x00000000	00000000	00000000	00000000	00000000
0x00000001	00000000	00000000	00000000	00000000
0x00000002	00000000	00000000	00000000	00000000
0x00000003	00000000	00000000	00000000	00000000
0x00000004	00000000	00000000	00000000	00000000
0x00000005	00000000	00000000	00000000	00000000
0x00000006	00000000	00000000	00000000	00000000
0x00000007	00000000	00000000	00000000	00000000
0x00000008	00000000	00000000	00000000	00000000
0x00000009	00000000	00000000	00000000	00000000
0x0000000a	00000000	00000000	00000000	00000000
0x0000000b	00000000	00000000	00000000	00000000
0x0000000c	00000000	00000000	00000000	00000000
0x0000000d	00000000	00000000	00000000	00000000
0x0000000e	00000000	00000000	00000000	00000000
0x0000000f	00000000	00000000	00000000	00000000
0x00000010	00000000	00000000	00000000	00000000
0x00000011	00000000	00000000	00000000	00000000
0x00000012	00000000	00000000	00000000	00000000
0x00000013	00000000	00000000	00000000	00000000
0x00000014	00000000	00000000	00000000	00000000
0x00000015	00000000	00000000	00000000	00000000
0x00000016	00000000	00000000	00000000	00000000
0x00000017	00000000	00000000	00000000	00000000

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## I/O Function Call

- sw\_state=Xil\_In32(0xa0000000);  
Xil\_Out32(0xa0002000,sw\_state);



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## TSRI Video System for YOLO Application

### TSRI Video System for YOLO Application

- TSRI video demo system
  - PS:UART、I2C
  - PL: MIPI subsystem、HDMI subsystem、video processes、AXI DMA、AXI DMA wrapper with FIFO interface
  - SDK:MIPI、HDMI、AXI VMDA、separate RGB、down sample、frame、label、draw box
- AXI DMA wrapper & FIFO interface(YOLO\_TOP)
- Video data flow
- Firmware design flow
- C code (main.c)
- Run TSRI video demo'system

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