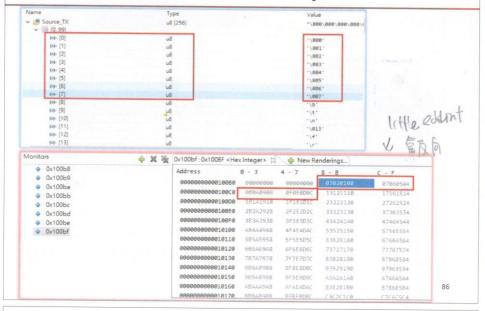
View Variable in Memory





NARLabs

國家實驗研究院

TSRI Video System for YOLO Application

www.narlabs.org.tw

NARLabs

I/O Function Call

NARLabs

sw_state=Xil_In32(0xa00000000);
 Xil_Out32(0xa0002000,sw_state);



87

NARLabs

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)

TSRI Video System for VOLO Appli MARLabs

- · Video data flow
- · Firmware design flow
- · C code (main.c)
- · Run TSRI video demo system

89