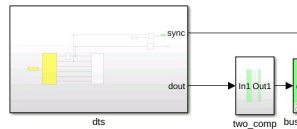


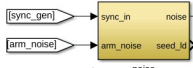
## VLA DTS Interface

2 IF x 2 pol (8-bit mode)  
4 IF x 2 pol (4-bit mode)

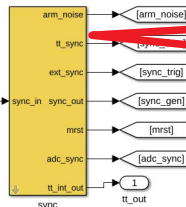
4 inputs (2 IFs x dual pol)  
Each 8 parallel words x 12 bits  
(96 bits per input)  
(384 bits total)



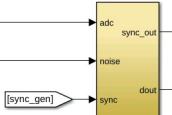
## Noise Test Generators



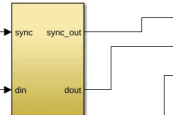
## Input selection & bit stats



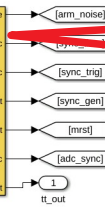
## Delay Compensation



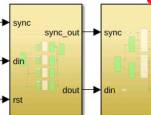
## Sine-wave signal injection



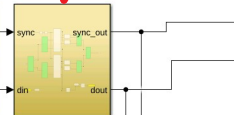
## Timestamp Generation



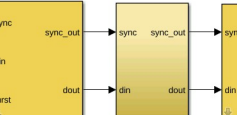
## LO offset removal



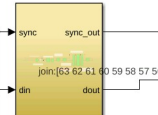
## 1 MHz PFB channelization



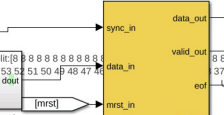
## Bandpass Equalization & 8-bit Quantize



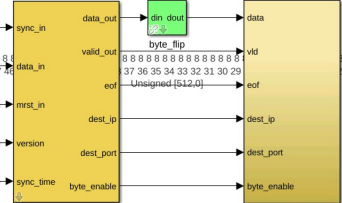
## Channel Selection



## Packetization



## 100 GbE Output



## Autocorrelation (full bit width)



## Delay / Phase tracking



## 4-bit Arbitrary Test Vector Insertion



## cross-pol/IF correlation

