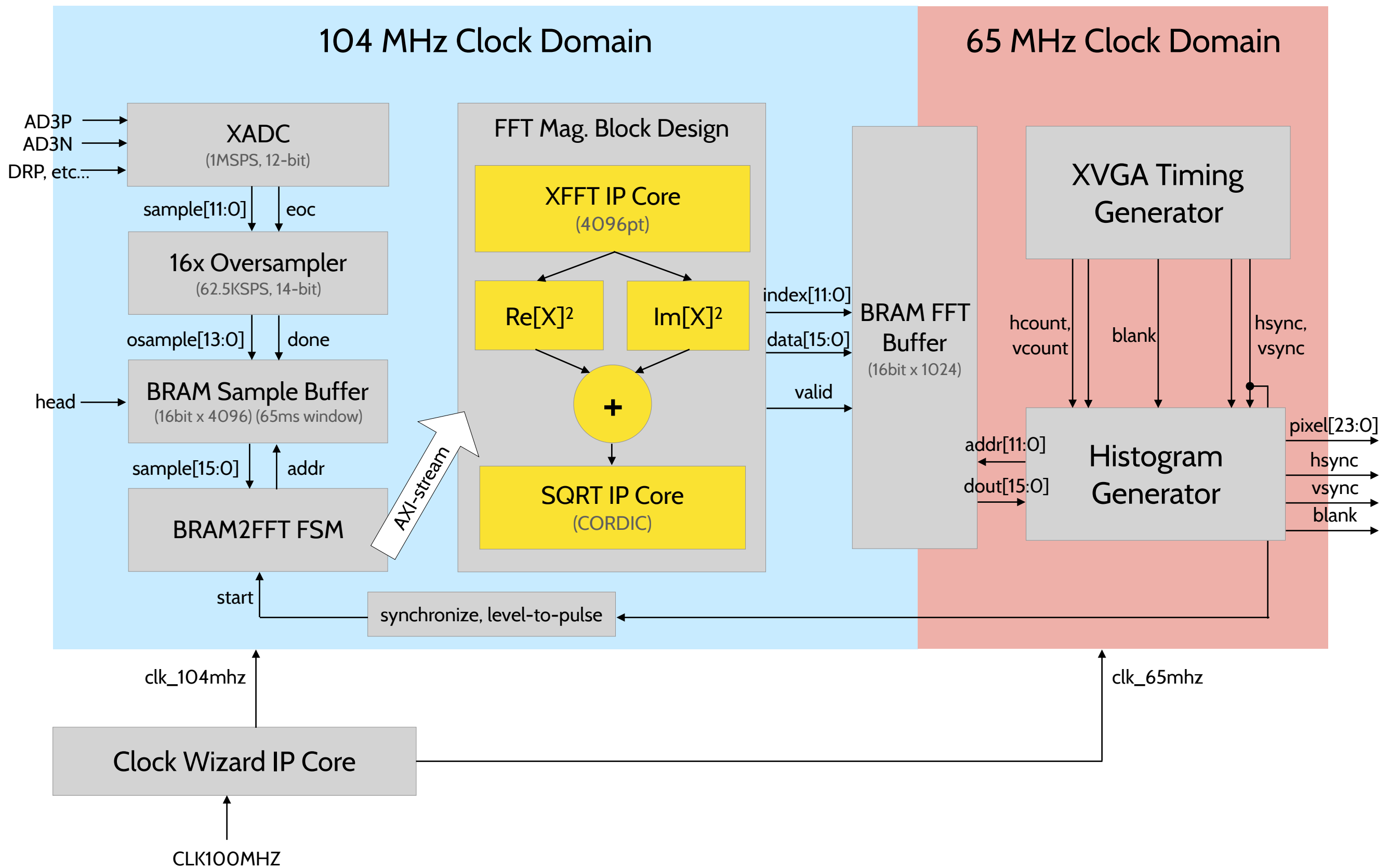
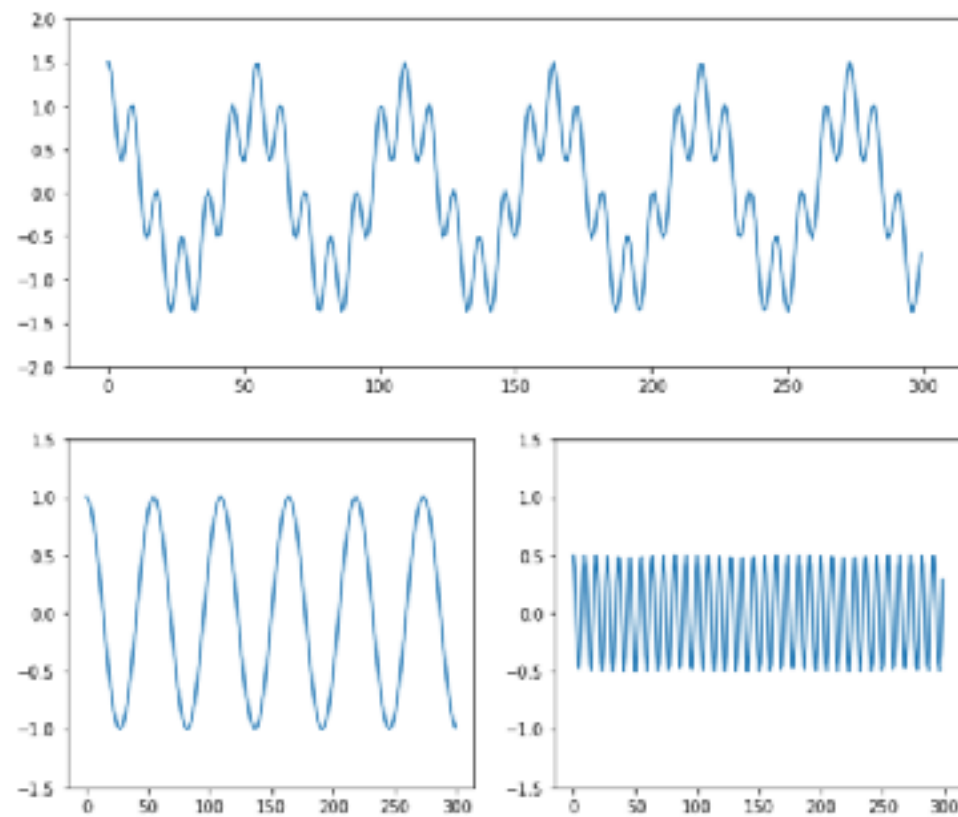


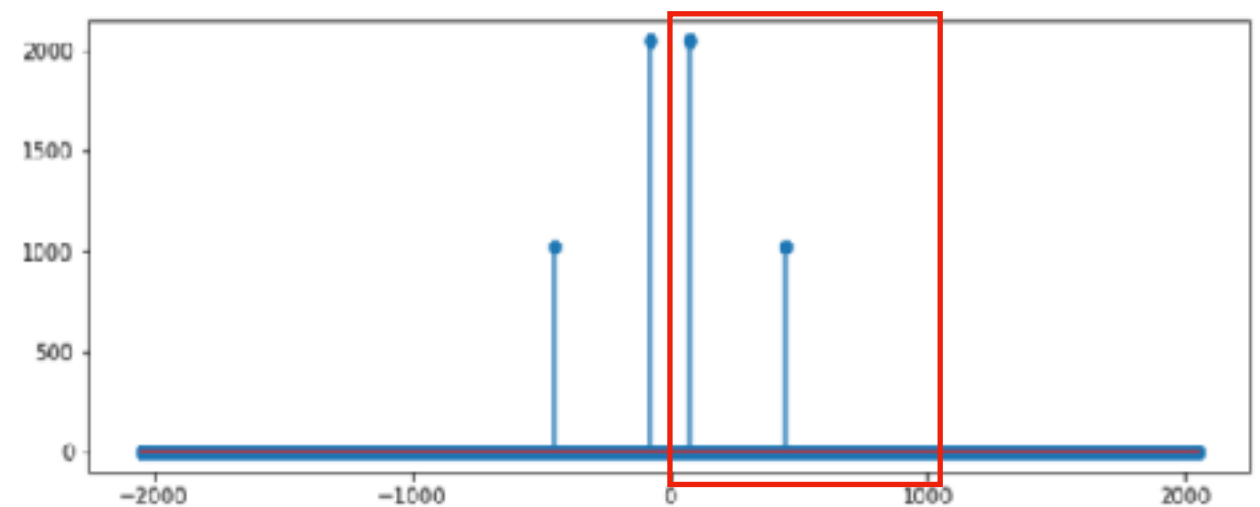
Nexys 4 FFT Demo Block Diagram



FFT Considerations



Input: 1KHz, 5KHz



Sample Rate

$F_s = 62.5\text{KHz}$

FFT Size

$N = 4096$

Frequency Resolution

$F_s/N = 15\text{ Hz}$

Sample Window Size

$N/F_s = 65\text{ms}$