

A Compact System for SAR Rx Signal Processing

Applications

- Synthetic aperture radars
- Synthetic aperture radiometers
- Space / land based interferometers
- Image sensors

Functionality

- Signal Normalization
- Digitizing
- Cross-Correlation
- Accumulation

Main Parameters

- 3 x 2 x 128 RF input signals, total 768
- Input bandwidth 5MHz to 500MHz
- Incoming signal power -5 to -15 dBm
- Signal digitizing at 2-bit/1GHz
- 12 digital cross-correlators 64x64
- A digital interface for correlation product
- Power Consumption 46W

