RF, IF and Baseband Signal Path

Filterbank Architecture

Luneburg Lens Phased Array

6 * 22m antenna AT Compact Array

FPGA hardware may be completely reprogrammed to produce many different filterbank configurations, as different observations may require.

Basic Configuration

Simple Zoom

Multiple Zoom (>2 possible)

Compound Zoom

A 2GHz bandwidth polyphase digital filterbank with 4096 channels ... will fit into four XC2V6000 FPGAs