



Signal Hound designs and builds powerful, affordable spectrum analyzers and signal generators for engineers, operators and RF professionals around the globe.

THE PCR4200 IS A HIGH-PERFORMANCE, 100 kHz 20 GHz, 4-CHANNEL PHASE COHERENT RECEIVER, STREAMING I/Q DATA OVER A VITA 49 INTERFACE.

Each channel on the PCR4200 may be configured as a phase coherent channel using the high-performance shared local oscillator (LO), or independently tuned using that channel's dedicated LO. Additionally, any single channel may be configured to provide swept spectrum data at up to 200 GHz/s. Other features include a built-in 30 MHz 20 GHz vector signal generator to simplify system alignment and calibration, and an internal GPS to provide precise time, frequency, and location.

FEATURES

- Frequency Range 100 kHz to 20 GHz
- Streams 40 MHz Bandwidth per Channel over 10 GbE SFP+
- Built-in Sub-Octave Preselectors from 45 MHz to 20 GHz
- Built-in Vector Signal Generator
- Noise Figure: 10 dB Typical at 2 GHz
- Calibrated I/Q Data
- Ultra-Low Phase Noise: -136 dBc/Hz 10 kHz Offset from 1 GHz Center Frequency
- Internal GPS
- 110 dB Dynamic Range
- Each channel may be configured as:
 - A Phase Coherent I/Q Channel
 - An Independently Tuned I/Q Channel
 - Up To 200 GHz/s Sweep Speed
 - Up To 16 Phase Coherent Channels

APPLICATIONS

- Direction Finding
- Emitter Detection and Geolocation
- Multi-Channel Transmitter Testing
- Simultaneous Multi-Band Spectrum Monitoring
- SIGINT/COMINT/ELINT
- Drone Detection

• **SIZE:** 12" x 11.5" x 3" • **WEIGHT:** 16.2 lbs

