

## Features

- High resolution spectral display
- Resolution bandwidths to < 2 Hz
- Record and playback capabilities
- Precision time tagged
- Allows for weak signal detection
- Linux based OS

The na-3000 is an X-MIDAS-based, high-resolution, spectral analysis system. The system is delivered with rack-mountable display and keyboard. The na-3000 **accepts one channel of analog input and provides one output channel for playback** of data of up to 125 MHz bandwidth. For acquisition and playback, the na-3000 **displays a two-dimensional spectral plot and a falling raster (waterfall) display.**

The na-3000 **provides wideband and narrowband tuning, recording and playback capabilities.** Data is stored in X-MIDAS Bluefile format for offline analysis. Additionally, the unit **allows for data storage upgrades from the standard 7.6 TB up to 26 TB of RAW storage.**

**Optional dual-channel input version with no playback capability is also available.**

### High-resolution spectral analysis system

- Resolution bandwidths to < 2 Hz
- Precision time-tagged (via external 1 PPS)
- Accepts IRIG-B, 2137 or internal time
- Coherent (locks to external 10 MHz reference)

### 125MHz Bandwidth Record and Playback

- File-based DAC playback capabilities
- Data is stored in X-MIDAS Bluefile format for offline analysis
- X-MIDAS available within unit (Linux OS)

### Mission Capability:

- General purpose spectral analysis
- High resolution spectral analysis
- Weak signal detection
- Signal search

