

Spectrum Analyser display application for RFeye Spectrum Monitoring Nodes

- Familiar spectrum analyser controls
- Interactive local or remote control over IP network
- Fast display update
- Simultaneous display of signals from all antenna inputs
- Marker functions
- Trace functions
- Node status information

RFeyeScope is a standalone application that provides a traditional spectrum analyser interface for users of RFeye Spectrum Monitoring Nodes, allowing live spectral data from nodes to be displayed either local to the unit or remotely via an IP connection.

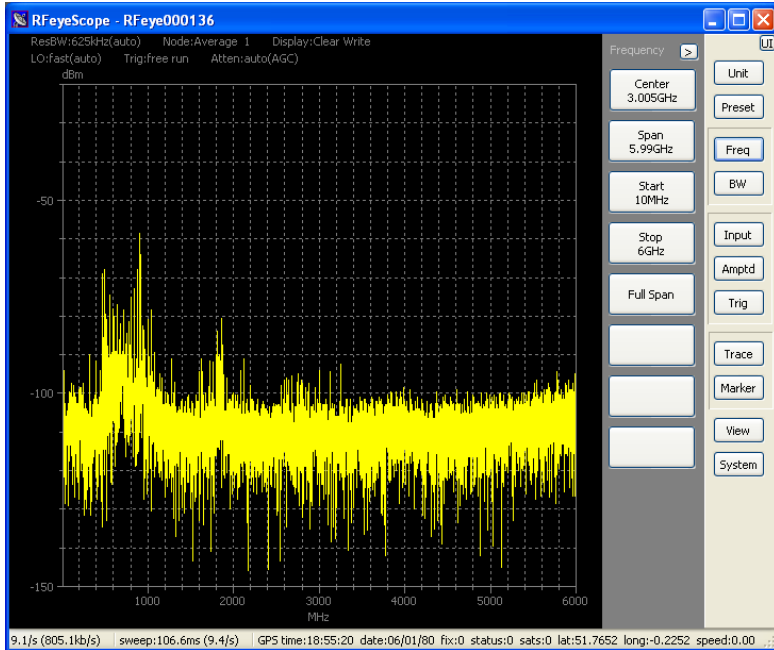
All traditional spectrum monitor functions are provided together with functions specific to the RFeye node, such as display of signal from all four RF inputs simultaneously, dynamic AGC attenuation level, and control of signal processing to be performed by the node.

The combination of RFeyeScope and RFeye node makes an invaluable tool for live investigation of the RF environment, either in the lab or in the field.

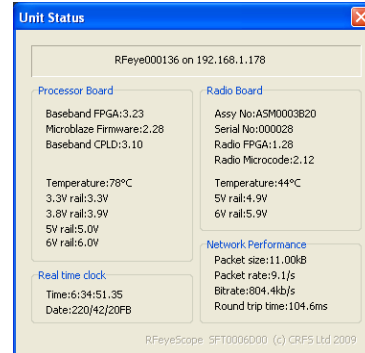
Features

- Alternative display modes including traditional Spectrum Analyser display
- Waterfall display
- Signal processing functions: averaging, peak hold etc.
- Direct control of node
- Flexible triggering: free-run, video, single-shot
- Data logging functions
- Standalone application - no installation required
- Display of measured power or field strength
- Multiple RF input display
- Microsoft Windows XP, 2000 and Vista Compatible
- Mouse control allows scrollable scan width, plus drag and drop centre frequency control

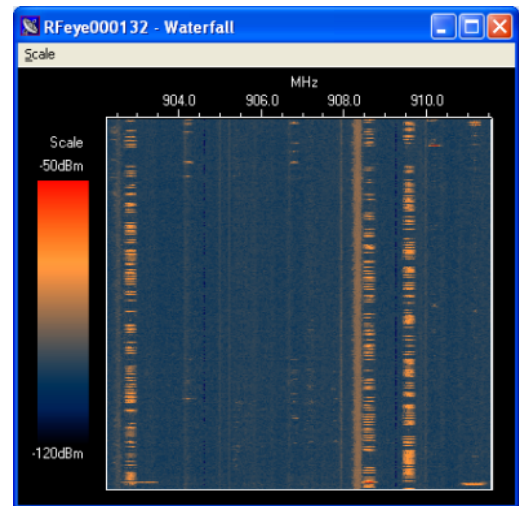
Flexible Display Modes



Alternative traditional Spectrum Analyser display with familiar control look and feel



Unit status display



Waterfall (spectrogram) plot showing measured spectrum vs. time

The application also has the ability to log data in the standard CRFS log file format for later analysis, or alternatively can save the data in comma separated variable (CSV) format for loading into other applications. All the standard functions of a traditional spectrum analyser have been made available so that the user can immediately become familiar with the RFeye node operation.

Technical Specification

Displays

Spectrum	Traditional spectrum display with markers and trace functions
Waterfall	Cascading colour coded spectrum display
Status	Network node property tree showing node properties and allowing node configuration

PC Requirements

Operating System	Windows XP, 2000 or Vista
Hard Disk Space	10 MB
Memory	1 GB recommended

File Export

RFeye Data file	Proprietary CRFS data file
CSV	Comma separated values

For more information