

WaveView Connect

Real-time processing of raw wave data



WaveView Connect provides robust real-time processing of raw ocean wave data from one or more sensors, producing a full suite of deterministic, spectral and tidal sea state parameters. WaveView Connect combines a modern user interface, a step-by-step setup wizard, and a full and configurable feature set, making it the perfect choice for both end users and system integrators. The integrated WebView display presents the real-time data in a web browser, either on the host PC or remotely, to multiple concurrent users.

Key Features

- Quadratic tide filtering
- Adjustable output rate (up to 1s)
- Fully configurable suite of real-time quality control checks

Processing

The industry standard wave processing algorithm used by WaveView Connect has been tuned & validated in close cooperation with international oil majors, with data being subject to continuous independent quality control. This algorithm produces the most accurate & reliable wave data on the market.

Motion Compensation

The built-in motion compensation extension integrates motion measurements to improve the quality of ocean wave data where the WaveRadar sensor is mounted on a moving vessel. The motion effects are subtracted from the air gap measurements in real-time prior to the usual wave processing

SPECIFICATIONS

Subject to change without notice

Supported Sensors WaveView Connect supports serial port, TCP/IP (connect or listen modes), and UDP/IP.	• RS Aqua WaveRadar Rex / Rex2 • Datawell Directional Waverider MkIII buoy (HXV) • Datawell Directional Waverider DWR4 buoy (HVA) • Generic air gap/pressure
Supported Motion Sensors	• \$PSMCC (SMC) • TSS (Telydyne TSS DMS, iXBlue PHINS) • \$PRDID • Generic ASCII heave/pitch/roll
Manufacturer	Icon Software, RS Aqua
Parameters	Sea level, Tides, Waves
Motion Compensation	• Supports heave sensor mounted at a different location to the wave sensor • Pitch and roll data are used to compensate for radar inclination • Configurable timing lag between motion and wave data