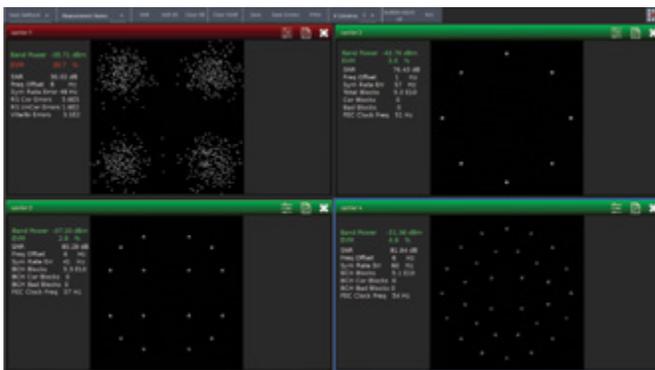CALIAN ®
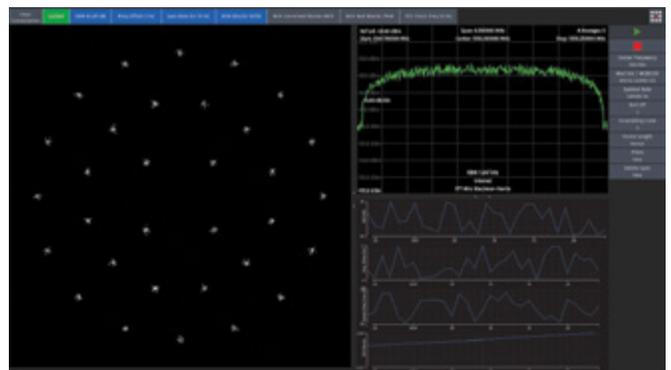
Confidence. Engineered.

Detector Decimator D4
Advanced signal monitoring capabilities

View all constellations at a glance

- View up to 100 constellations in one window.
- Display updates in real-time as signals are measured.
- The signal analysis engine demodulates and decodes an MPEG transport stream-based DVB-S/S2/S2X signal and provides signal characteristics, signal to noise.

Advanced signal monitoring

- The plot is displayed as an overlay on top of the multiple constellation display.
- A trend plot is available to show the SNR over time so you can quickly spot any signal quality fluctuations.
- Alarm lines indicate when the SNR has crossed the threshold.
- Review previous constellations from the trend plot history.
- Playback constellations determine whether the signal change was sudden or gradual.
- Overview of the signal specification including SNR and measurement parameters such as symbol rate and roll-off.

Detector Decimator D4 key features

The display is easily configurable

- Easy to set up based on the carriers in the monitoring plan.
- Configure the display in multiple ways: show all signals, show only alarmed carriers, or show a custom list of carriers.
- Highlighting indicates alarmed and nominal carriers.
- A one-button selection quickly shows all carriers.
- Most recently alarmed carrier is automatically moved to the top-left corner of the screen.
- As signal quality issues are resolved and the carrier reverts to a nominal state, they are removed from the top-left corner display.
- At-a-glance view of the alarmed carriers includes the duration of the alarm to indicate if it's a persistent or transient issue.
- Focus on priority carriers by creating a custom list of carriers of interest from the monitoring plan.
- Easily size the live display for your monitor or a large operations centre screen.
- Save different display configurations to project files for fast recall.
- The display conveniently operates within the web browser.

Perfect complement to your Decimator D4 spectrum monitoring and generation of SNMP traps and e-mail alarm notifications

- Automated notifications occur while you watch the overview of all live carriers.
- Save PNG pictures of the overall view or a particular carrier.
- Use image files to generate your signal quality reports.
- Reports can be emailed to external signal providers to highlight issues and/or to indicate compliance of the carrier quality over time.

This feature may be ordered as an option with new Decimators.

Plus, all Decimator D4s are remotely upgradeable in the field with a license key, and the depth of our engineering services is unmatched in the industry.