

Integrator

go2signals

PROCITEC®
HOUSE OF SIGNALS

PROCITEC GmbH
Rastatter Strasse 41
75179 Pforzheim
Germany

Phone +49 7231 155 61-0
Fax +49 7231 155 61-11
sales@procitec.com
www.go2signals.de / www.procitec.com



24.2 / 2024 (subject to modification)

**GO2SIGNALS
MONITORING SUITE
FOR INTEGRATORS**

V 24.2



go2signals

GO2SIGNALS IS AN INNOVATIVE SOFTWARE PACKAGE, DESIGNED TO MEET TODAY'S TACTICAL AND STRATEGIC REQUIREMENTS IN THE FIELDS OF RADIO-MONITORING, COMMUNICATIONS INTELLIGENCE AND ELECTRONIC SURVEILLANCE.

GO2SIGNALS IS EXACTLY WHAT YOU NEED

go2signals covers the full spectrum of **software-based** signal processing. From SLF to SHF, it specializes in HF and V/UHF signals. It offers functionalities for searching, monitoring, processing and analysis of **radio signals**.

These capabilities are used for the intercept and monitoring of Frequencies and Signals Of Interest in the RF spectrum to derive Indications & Warnings for Situational Awareness. **Automation** features enable the separation of Signals Not Of Interest to focus on those emissions which will deliver the insight required by the decision-maker. You can **optimize** the operator's workload to keep up with the evolving signal environment by focusing on new and unidentified emissions

All of this enables the implementation of extensive use cases and operational scenarios in land, sea and air environments for military and civil users.

GO2SIGNALS MONITORING SUITE IS THE INTEGRATORS' FAVORITE

Are you an integrator with your own solution and do you need signal processing or analysis functions to enhance your system? Then check out the **unique features** of go2signals Monitoring Suite from integrators perspective:

Modularity

The **modular** design allows you to decide which features are needed. It is your choice whether to use the wideband **classification**, or signal processing including **demodulation** and **decoding**, or both. This gives the advantage that you integrate only what you need to maintain efficient engineering work. Get to market faster with our well-documented **API**, which is freely available and guides your technical team through implementation step-by-step.

Scalability

You can choose the number of signal processing channels, the wideband classifier, the input bandwidth, the decoder configuration and the automation level. At any time, your configuration can be **scaled** to meet different requirements, from **low-SWaP** implementations to static systems with **server** racks. Additionally, you can easily and efficiently adapt your solution to changing requirements. This allows you to plan and use your hardware and financial resources efficiently and protects your investments for future requirements and upgrades.

Hardware independent

go2signals offers free choice of **COTS** hardware and does not require special digital signal processing units. This allows you to use existing hardware and upgrade it at any time. Also when choosing a **receiver**, go2signals offers a long list of supported manufacturers and models, combined with an open **plugin** to connect any receiver. This way you **save** money, **stay flexible** and **increase** your variety of choice in terms of manufacturers.

Extensive classification and decoder library

Our extensive library includes standard decoders as well as **complex decoders** and **classifiers**. The large quantity and continuous **updates** guarantees that you will be able to meet your customers' expectations. Our unique **decoder development** environment allows modification of existing and development of new decoders and classifiers. This allows the end-user to implement their **exclusive knowledge** without sharing it. These facts enable you to demonstrate a capability delta between your and competitors' system solutions.

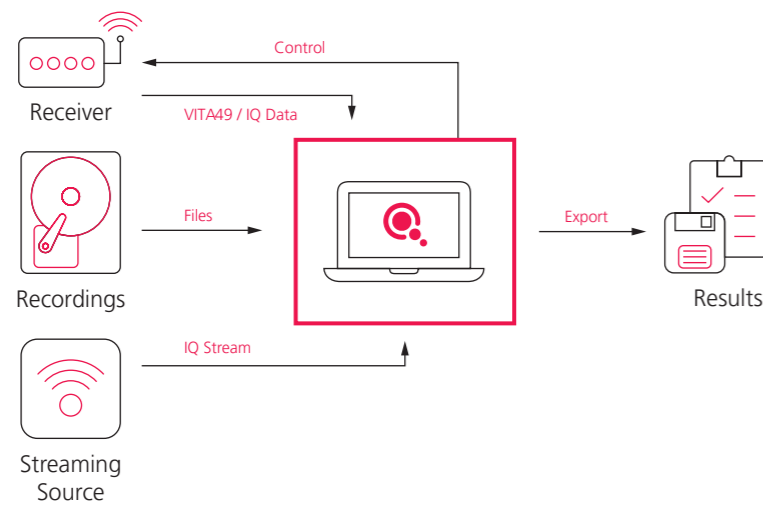


Check our latest up-to-date decoder list and find more than 370 decoders and demodulators available for go2signals
www.procitec.de/go2signals-decoderlist

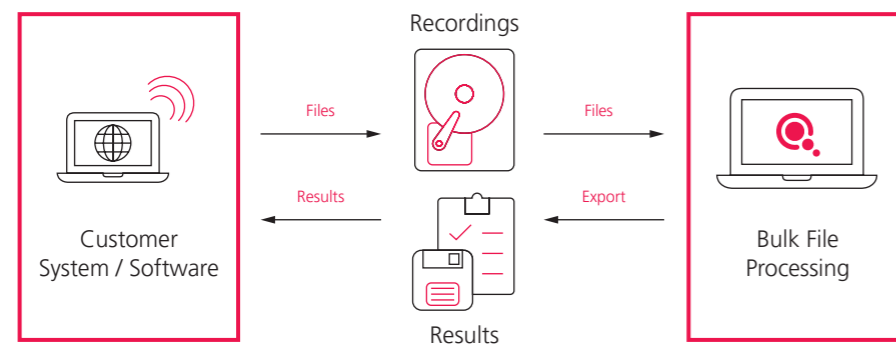
FLEXIBLE INTEGRATION OPTIONS FOR INDIVIDUAL NEEDS

GUI BASED INTEGRATION

Single workstation on a local client



Easy integration based on Bulk File Processing

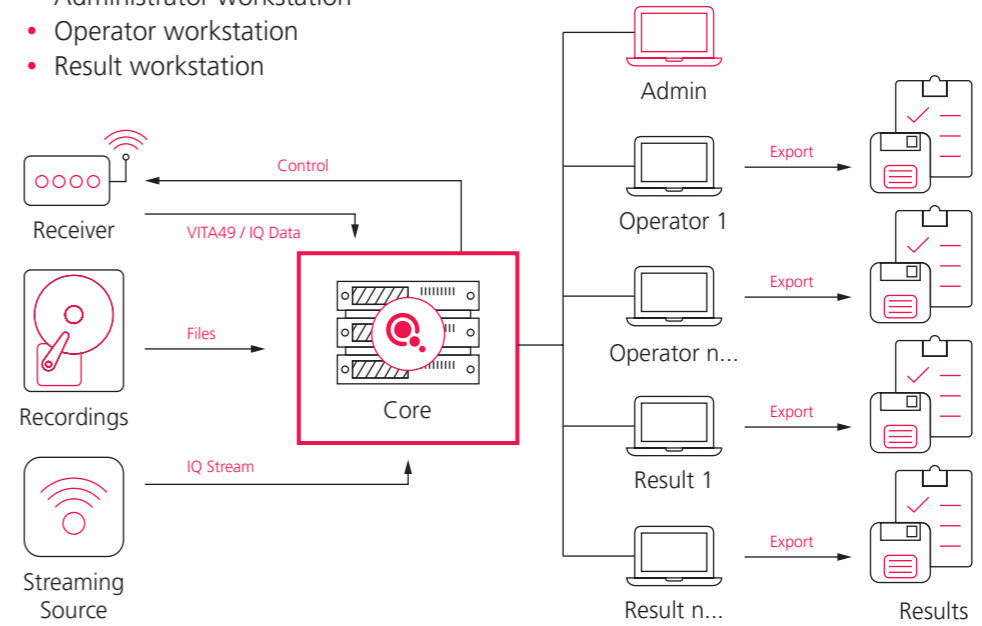


HOW TO FEED / INPUT?

- ✓ Live signals from supported receivers
- ✓ Recorded I/Q files
- ✓ Live signals from receivers by integrated drivers developed by integrator
- ✓ Signals by network data stream

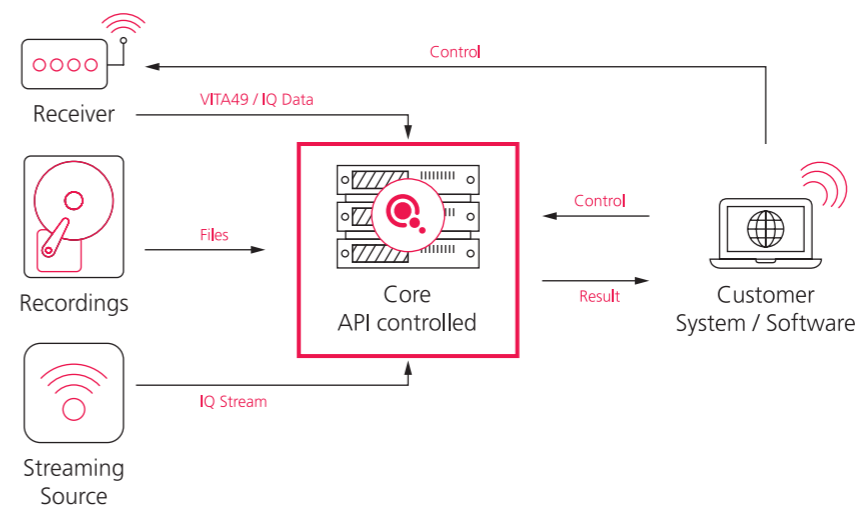
Server based multi client solution with different workstation types

- Administrator workstation
- Operator workstation
- Result workstation



API BASED INTEGRATION

API backend integration of full functionality with direct result feedback output



WHICH TYPE OF SIGNAL?

- ✓ Individual signal
- ✓ Frequency bands containing multiple signals



Check our latest up-to-date list of supported receivers

www.procitec.de/go2signals-receiverlist

RECOMMENDATION

WHICH DESIGN TO CHOOSE?

	Single workstation	Bulk File Processing	Server based	API controlled
Complete monitoring solution embedded by manual im-/export	✓		✓	
Complete monitoring solution behind your interception software/solution		✓		
Multiple workspaces sharing input sources, resources and results			✓	✓
Seamless embedded integration of classification, demodulation and decoding functionality in an existing solution				✓

WHAT YOU GET:

	Single workstation	Bulk File Processing	Server based	API controlled
Monitoring Suite controlled by GUI	✓	✓	✓	
Easy embed through manual im-/export functionality	✓	✓	✓	
Full backend integration (no GUI)				✓
Remote controlled (no GUI)				✓
Input source control	GUI	Directory	GUI	Customer System
Automatic processing of stored files		✓		
Store results in internal database	✓	✓	✓	✓
Stream results to external system				✓
Result forwarding to 3rd party	manual export	manual export	manual export	API
Shared resources			✓	✓

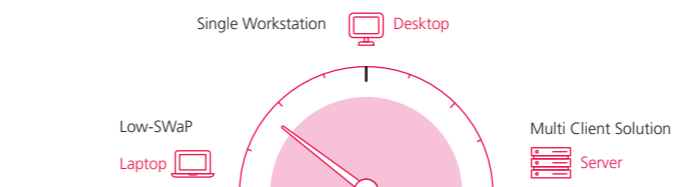
CUSTOMIZABLE

SCALABILITY

Based on the architecture of go2signals the software can be scaled to match your system requirements. Freely configurable are:

- number of channels
- decoder setup
- bandwidth
- level of automation

This allows an integrator to tailor the system perfectly for customer needs, from low-SWaP setups to server rack powered stationary systems.



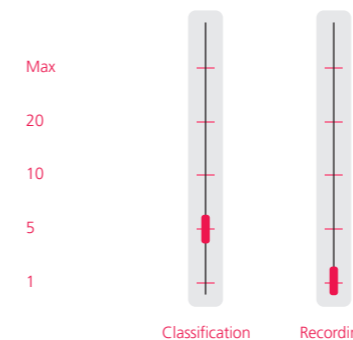
ADDITIONAL DECODERS

MIL ON PMR ON

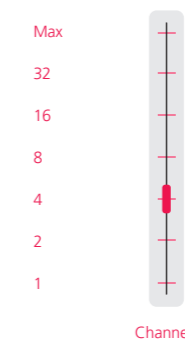
AUTOMATIC

Automatic ON Faster than realtime ON

BANDWIDTH (MHz)



CHANNELS



ADAPT AND EXTEND FUNCTIONS

To add new custom-built functions or capabilities to the system go2signals can be adapted and extended using Python scripting functionalities for:

- Result structuring
- GUI automation
- Automatic export
- Post processing
- Remote control

INTEGRATE DIRECTION FINDING

go2signals offers the ability to store, link to a signal and display DF and geo-locational data derived from the host DF-Sensor system when imported into the integrated go2signals database.

GOOD TO KNOW

Specialized integrator training

- Become familiar with standards, protocols and functionalities
- Explanation and networking at developer level

Support

- Personalized services at expert levels
- Customizable support levels

Software update service

- 2 updates / year with software update contract
- Keep up with the times in a constantly evolving world of signals

License & export

- Dedicated (hardware based / dongle) or floating license
- Some go2signals product options require export approval prior to supply