

Analyze IQ RealTime enables chemometric models from **Analyze IQ Lab** to be integrated in third party products, for fully **automatic, fast, and accurate** quantitative and qualitative chemometric predictive modeling.

It works with models built using **Analyze IQ Lab**, the world's most advanced chemometric analysis software package. It is part of the Analyze IQ software suite, which has been developed to address the need for accurate analysis of spectroscopy data.

It is ideal for: real-time process monitoring; portable & in-field instrumentation; specialist applications; materials validation & anti-counterfeiting; and routine work by non-chemometricians.

It is used in applications such as healthcare, pharmaceuticals, law enforcement, and petroleum industries.



Package & Deploy Expert Knowledge

Analyze IQ RealTime's unique advantage is that it allows you to **package and deploy expert knowledge**, since chemometric models that have been expertly constructed and validated by analysts can be deployed in fielded applications, where they can be applied automatically or by end-users without chemometric training.

Because it is based on **Analyze IQ Lab's** industry-leading chemometrics, **Analyze IQ RealTime** provides rapid and accurate chemometric analyses, and it scales well to handle complex combinations of materials and tests. It enables third-party solutions to perform fully automatic analyses, **without any intervention by the end user**: no review of results, no spectral subtraction, just a rapid response.

Error-Free Transfer of Models

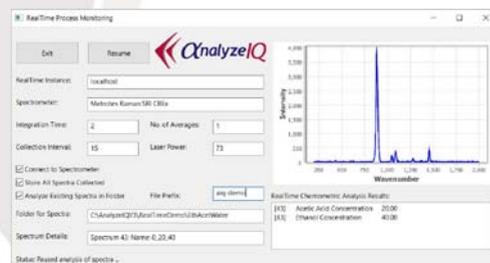
Analyze IQ RealTime uses models that are built with **Analyze IQ Lab**, in the form of binary software code; this **eliminates risk of errors** in transfer or transcription of model information. The models embed preprocessing details within them, so spectra to be analyzed are automatically preprocessed correctly.

Analyze IQ RealTime has the same Model Manager feature as **Analyze IQ Lab**, allowing you to backup, restore and deploy models conveniently and without any risk of errors.

Scalable from Embedded Devices to the Cloud

Analyze IQ RealTime is a scalable solution:

- ◆ **Portable Edition:** runs on embedded computers
- ◆ **Desktop Edition:** runs on the same computer as client software, to inter-operate with desktop or handheld devices.
- ◆ **Cloud Edition:** responds to analysis requests from multiple client computers, and can be distributed across multiple computers to cope with intensive analysis demands.



Analyze IQ RealTime is configured to run as a separate process from the client's software, and the two software programs interact using standard inter-process communications and XML-formatted messages. This design allows **Analyze IQ RealTime** to interact with client software developed using virtually any PC-supported software development framework and language. It can also be configured to run as a service on a desktop PC, or on a cloud server.

Customizable

We can customize **Analyze IQ RealTime** for your requirements, support you in integrating it, and develop chemometric models for you. Contact us to discuss this, or for a demonstration.

