iQrypto

ETRA: DATA ACQUISITION SYSTEM
Turn your innovation into a market-ready product

Accelerate your transition to market

The ETRA DAQ is the solution for ultra-precise, **real-time** data acquisition. Designed to adapt to all types of applications, it helps optimise your processes, **reduce development costs**, and speed up your product's time-to-market.

Easy to use

Quick and intuitive setup
Seamless integration with FPGA embedded systems.

User-friendly software
Intuitive interface with real-time data visualisation and advanced analysis..

Modular
Adapts to all needs, from research to industrial applications.

Universal applications

Imaging | Aerospace | IC characterisation | Research | Sensors
With ETRA DAQ move from prototype to production in record time and boost the time to market of your systems.

iQrypto expertise

We provide **tailored** solutions that boost your productivity by optimizing FPGA systems, enhancing their adaptability and efficiency. We develop and implement custom algorithms and **easy-to-use** software, ensuring future-proof systems.

ETRA v1.0 Technical Specifications

The ETRA DAQ board has been engineered with the most challenging specifications in terms of speed, real-time data acquistion, reconfigurability and ease of use.

Hardware	
Ultra Low Noise IC Voltage Supply	10-phase voltages 50 mV – 5 V
Analog Input Channels	8 channels 24 bit
Capture system	Fully customizable last geneneration HP FPGA
FPGA Data Capture Bandwith	> 30 Gb/s
Software	
Data Saving and Management	Persistent storage on SSDs/HDDs, efficient data retrival with ultra-secure measures
Online Measurement and Analysis	Live data visualisation, real-time analysis, and reporting.
Real-Time Data Capture	Continuous 24/7 monitoring and lossless data capturing.
AI and Machine Learning	AI Data Pattern Detection, TensorFlow Integration, Sensor Fusion ready

Get in Touch

Interested? Book a demo! We will showcase ETRA DAQ capabilities.
Want to know more on how we can help you? Get in touch with our team!
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