

# OptoLyzer® Studio

The Universal Multi-Bus User Interface Software



The development cycle of automotive distributed devices and systems is complex and time consuming. The more important is it to have a tool at hand that makes this work easier. K2L's OptoLyzer Studio is a software that supports you in device- and system development and helps shorten time-to-market. It offers you a comprehensive and easy-to-use tool chain that supports you in conducting all development tasks starting from early test- and simulation phases up to and including final analysis and verification. Over all leading-edge automotive networks, OptoLyzer Studio is the solution to make your projects successful.

## Product Benefits

- State of the art GUI based on .NET technology
- Support of many popular automotive networking technologies
- Extensive catalog and trace file support
- Security functionality
- Device- and system simulation
- Comprehensive hardware interface support

## Ordering Information

Entry Edition:

- OptoLyzer Studio Entry  
Order No. B10443

Foundation Edition:

- OptoLyzer Studio Foundation CL  
Order No. B10444

- OptoLyzer Studio Foundation CLF

Order No. B10445

- OptoLyzer Studio Foundation LAN

Order No. B10469

- OptoLyzer Studio Foundation compact

Order No. B10446

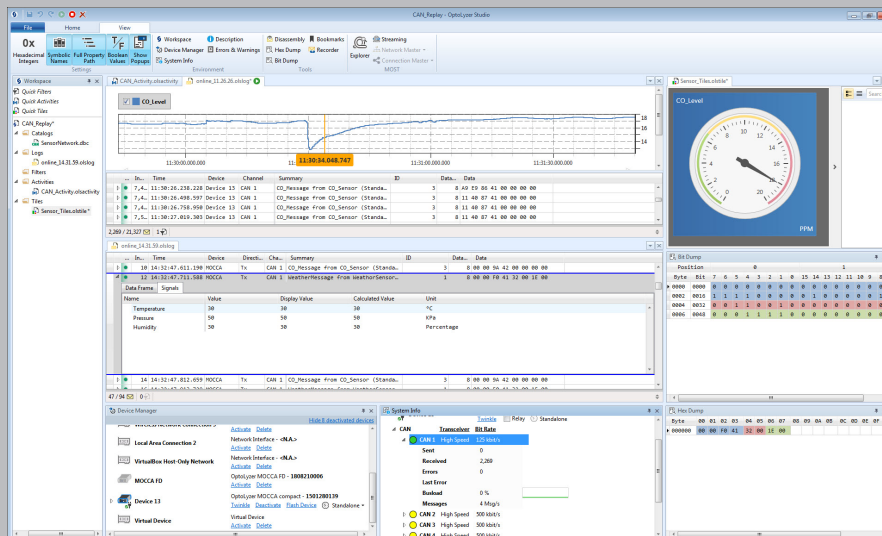
Runtime Edition:

- OptoLyzer Studio Runtime  
Order No. B10470

Professional Edition:

- OptoLyzer Studio Professional compact

Order No. B10471



## OptoLyzer Studio Graphical User Interface

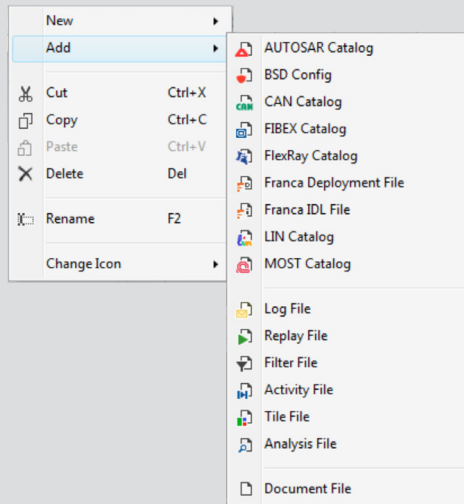
The GUI design is based on an intuitive ribbon concept that facilitates easy access to the available functions of the OptoLyzer Studio. Dockable windows add clarity and tidiness; steep learning curves are a thing of the past. The Trace View including the Graph View, the Activity View, the Filter View, the Hex and Bit Dump, the Disassembly View, the Tiles View as well as the Analysis Framework View are the centerpieces of OptoLyzer Studio.

## Bus System Support

OptoLyzer Studio supports a wide variety of automotive bus systems, including Ethernet/Internet, CAN, CAN FD, LIN, FlexRay®, MOST® as well as INICnet™ technology based networks. In addition to protocol decoding capabilities, several technology-specific features are available: LDF editor for LIN, CAN replay functionality as well as DBC viewer and UDP/TCP send/receive, just to mention a few.

## Catalog Formats

The picture below shows the Catalog import dialogue with supported formats.



## Trace File Formats

To give you the best flexibility for importing and exporting files from/to other software tools, OptoLyzer Studio supports OLSLOG, PCAP/PCAPNG, ASC, BLF and other trace file formats.

## Security

With authentication messages send/receive and freshness value as well as MAC analysis, OptoLyzer Studio offers the functionality needed to examine authentication measures in security-hardened CAN networks.

## Supported Hardware Devices

- OptoLyzer MOCCA Family
- Espresso T1S™ Device
- Network Adapter (via Win10Pcap)
- Kvaser Leaf Light/Pro HS V2
- CAN Bus Analyzer and LIN Serial Analyzer from Microchip
- Protocol Analyzers: Totalphase Beagle™ USB 480 and Totalphase Beagle I<sup>2</sup>C/SPI



K2L is committed to working toward a sustainable environment. We endeavor to make continual improvements in natural resource conservation through efficient product design and global operations thereby reducing greenhouse gas emissions generated by our products and facilities. Our environmental life cycle process seeks to reduce our carbon footprint through product life and recyclability and efficient use of materials, energy and transportation. We remain committed to promoting smart energy policies across our global organization.

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