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Zerone-S/Zerone-G/Zerone-X | Zerone-G |

ZERONE (IEEE1394 analyzer)

Product Features (ZERONE-S/ZERONE-G/ZERONE-X)

Trace function

Equipped with a 128M-byte deep memory trace. (64M-byte packets / time index of 64M bytes).

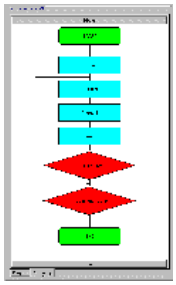
- Asynchronous Packet, Isochronous packets and PHY packet, all packets can be traced.
- High performance filters in real-time trace capability by focusing on the trace analysis of packets required, you can take advantage of the memory trace.

Triggering

Various parts of the packet header, as well as in the data payload, you can specify a different trigger pattern in bits.
Furthermore, by setting the trigger and trigger delay, you can take advantage of the memory trace.

- Various upper layer protocol (AV / C, CIP, SBP2, IPover1394, MPEG2-TS (1 note), etc.) can be set to trigger on
- Three-level sequential triggering
- Triggers can be specified packet error
- Specify the trigger (1 to 15) can be
- Specifies the trigger delay (about 06 1ms ~) can be

Note 1: MPEG2-TS option is available.



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Data display

To facilitate the analysis of trace data show a strong feature for efficient debugging.

- Various packet (including the Asynchronous stream) header parameters, AckCode, view details / list of Gap
- Upper layer protocol (AV / C, CIP, SBP2, IPover1394, MPEG2-TS (1 Note), etc.), analysis of
- Graphic display of the packet
- Asynchronous packet sequence chart view
- History of the topology map view trace data recovered from
- Show Isochronous packet channel bandwidth utilization by
- Topology map view that displays the relationship of each node connected
- Measurements show the elapsed time between two packets
- Close work with various windows
- Various search functions easy to use priority

Note 1: MPEG2-TS option is available.

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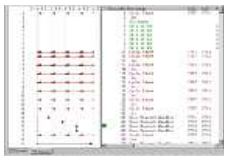

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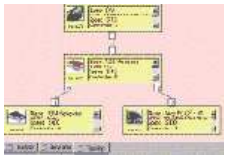

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Time stamping

Display time stamp of each packet and the packet ⊿ time around, the bus occupation time per packet, and any time between two packets, and show support for various times.

- Resolution of about 40ns/125 μs
- About 6 days / maximum measurement time of about 128 seconds.

Project management

Configuration GUI, set trigger, trace data, it is possible to reuse / save your project file as a data generator. Analyzer supports the use of multi-user environment.

IEEE1394 compliant

Standard IEEE1394-1995 (IEEE Std 1394-1995) P1394a-compliant and 2000.

- Transfer rate up to 400Mbps (S400)
- Hot-plug (connection / disconnection of power in the state), etc. corresponding

Control software

Analyzer controls the hardware via the communication line from the host PC. In addition, offline not connected to the analyzer acts as a viewer of the trace data.

- Provides CD media (one)
- DOS / V machine equipped with a host PC USB port
- Compatible OS Windows98, 98SE, ME, 2000
- Host PC Interface USB, LAN (10BASE-T)

Note 1: MPEG2-TS option is available.

« 1 2 Next page »

Top of Page

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