

Web-based GUI
with Multi-User Support

Take any two
captures and place them
side-by-side for call tracing

Upload Wireshark traces or PCM files

Ladder diagram for signal/ message
flow representation

Payload playback capabilities of a
captured video trace to a physical
Video Conferencing or TelePresence
endpoint

Video Analysis

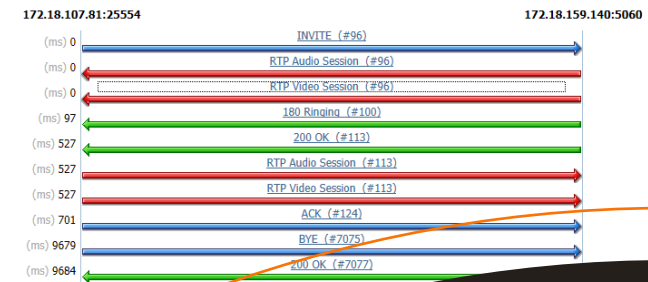
Decode H.263 and H.264 video streams
Quality of Video - MDI metric

Audio Analysis

Decode RTP audio streams
Quality of Voice - MOS metric

Fax Analysis

Decode T.38 Version 0, 1, 2 and 3
V.34 hdx, V.17, V.29, V.27, V.21, T.30, T4/T6
Fax pass-through (G.711) support
Full T.30 decoding of all signals



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Media
Analyzer
Version 5.1

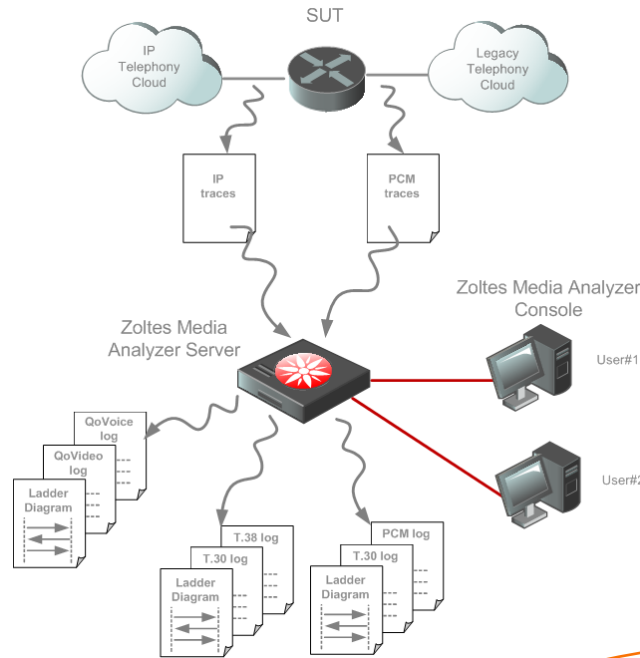
MEDIA ANALYSIS

Zoltes Media Analyzer combines Zoltes Fax Analyzer and Zoltes Video Analyzer features in the same analysis tool.

Zoltes Video Analyzer receives the recorded traffic as IP capture files in PCAP format.

Fax Analyzer takes as input the Wireshark and/or the PCM files containing the recorded fax sessions.

ZMA has payload playback capabilities of a captured video trace to a physical Video Conferencing or TelePresence endpoint.



KEY FEATURES

- > Multi-user support via Web management Console
- > SIP, H.323, and MGCP call control support
- > Decode and analyze telepresence video and audio transmissions over IP
- > TIP and BFCP protocols decoding
- > Super G3 fax support
- > Mixed Fax-over-IP using T.38/G.711 and Fax-over-PSTN side-by-side Analysis
- > Ladder diagram for signal/ message flow representation
- > Quality of Video (MDI metric)
- > Quality of Voice (MOS metric)
- > Save audio and video streams either as standalone files or in the same AVI file, one set for each transmission direction

USE CASES

- > Fax transmissions troubleshooting
- > Telepresence video and audio analysis
- > Telepresence media decoding
- > Telepresence interoperability troubleshooting
- > Video conference media decoding and analysis with Quality of Service measurements

SPECIFICATIONS

Call Control Capabilities

- > SIP RFC 3261
- > SDP RFC 2327
- > ITU-T H.323 version 7
- > RFC 3435 MGCP version 1.0

Video Capabilities

- > ITU-T H.263 codec
- > ITU-T H.263+ codec
- > ITU-T H.264 codec
- > H.264 Type 0, 1, and 2 packetization modes support

Audio Capabilities

- > ITU-T G.711, G.722, G.722.1, G.723.1, G.726, G.728, G.729, G.729A, G.729I codecs
- > AMRNB, AMRWB, AMRWBE codecs
- > SPEEX-NB, SPEEX-WB codecs
- > GSM full rate codec
- > AAC-LD codec

Fax Capabilities

- > ITU-T V.34 hdx, V.17, V.29, V.27ter, V.21 ch 2 for Fax Group 3
- > ITU-T T.4, ITU-T T.6, JPEG images supported
- > ITU-T.38 Version 0, 1, 2 and 3

Analysis Results

- > Session Summary
- > Ladder Diagram with signal/ message timestamps
- > T.30 frames – raw data and BCD decoded
- > Decoded Facsimile image(s)
- > Video Streams saved as AVI files
- > Audio Streams saved as WAV files
- > Quality of Video - MDI metric
- > Quality of Voice - MOS metric