

FULL MOTION VIDEO
STANAG 4609
KLV
MISB 0601.5
SOFTWARE TOOLS
SUPPORT

KlvInspector™ is a software stream analyzer / generator that provides deep offline analysis of STANAG 4609 files and generates KLV metadata. It is an essential tool for UAV video applications development, integration and testing. **KlvInspector** provides in-depth insight into the KLV metadata - comprehensive and visual representation of the encoded KLV data, packet structure, binary/ASCII data preview and search functionality. It decodes a UAS Datalink Local Metadata Set (MISB 0601.5) metadata and allows an easy navigation inside the KLV metadata, statistic reports generation, metadata extraction etc. An Optional **Klv Composer™** allows manual Klv packet creation by adding individual MISB 0601.5 values or editing existing ones. Additionally, it is possible to send the KLV metadata over RS232 or Ethernet, selecting a relevant part of the file and controlling the data rate.



NATO DIGITAL MOTION IMAGERY STANAG 4609



KLV INSPECTOR

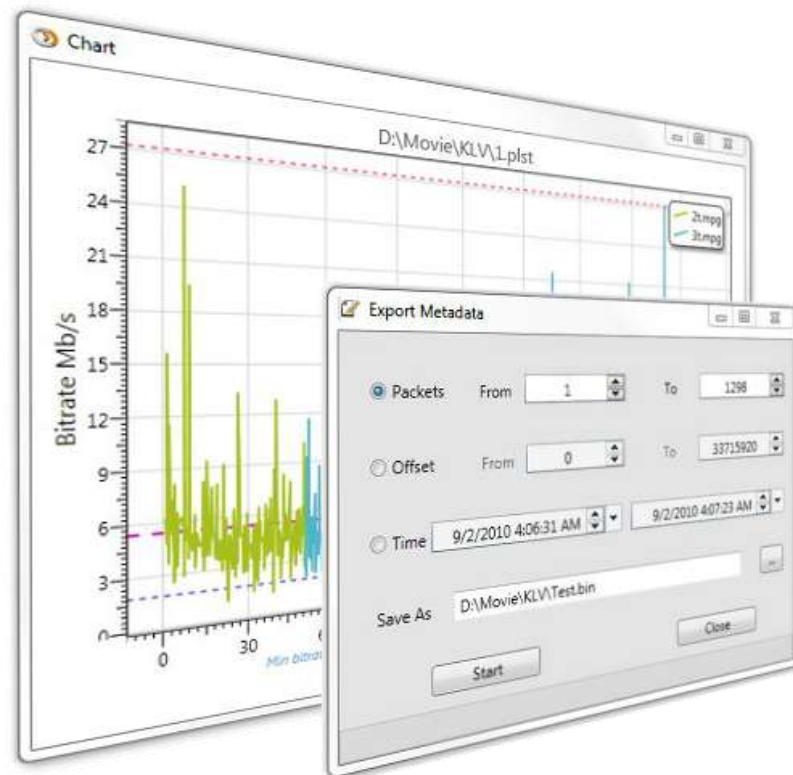
SMPTE 336M-2007 KLV

STANAG 4609

MISB 0601.5

Software to analyze, visualize and generate KLV metadata

STANAG 4609 ANALYSIS MADE EASY. TECHNOLOGY RESOURCES YOU NEED.



The screenshot shows the 'Klv Inspector' application window. The top section displays a hex dump of a KLV packet (PID 482, Packet 2) with its corresponding ASCII representation. The bottom section shows a table of metadata extracted from the packet.

Key	Name	Value
01	Checksum	83F6
02	UNIX Time Stamp	2010-Sep-02 04:06:31.954
03	Mission ID	Test Mission
04	Platform Tail Number	
05	Platform Heading Angle	231.2108°
06	Platform Pitch Angle	7.2420423°
07	Platform Roll Angle	0.6088443°
08	Platform True Airspeed	
09	Platform Indicated Airspeed	
10	Platform Designation	16HD
11	Image Source Sensor	EOW

STANAG 4609, KLV, MISB 0601.X

Main features:

- STANAG 4609 UAS Datalink Local Metadata Set support.
- Binary files with SMPTE 336M-2007 KLV and MISB EG0601
- MPEG Transport files (MPEG2 / H.264).
- KLV PID extraction and processing.
- Visual representation of the KLV Packet structure.
- Binary/ASCII data preview and search functionality.
- Load/Save Klv packet from/to binary file.
- Metadata packet range export (by numbers, offset, KLV time)
- KLV Composer™ - build a Klv Packet from scratch.
- Send packets over RS232 or Ethernet with configurable data rate.*
- Convert KLV to CoT (Cursor on Target, (MISB 0805) messages and send them over Ethernet*.
- Multiple KLV PID support.
- Bitrate chart plotting and PCR discontinuity monitoring
- Report generation

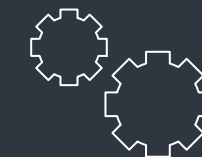


UAV VIDEO SOLUTIONS

IMPLEOTV SYSTEMS LTD is a software technology provider specializing in the UAV motion imagery processing and exploitation.

WHAT WE DO

- Low latency STANAG video playback
- STANAG stream recording
- Network Re-broadcasting
- KLV metadata extraction
- Live or archived imagery processing
- In-depth metadata analysis
- Imagery tagging
- Situational awareness
- SDKs and applications



CUSTOM SOLUTIONS

In addition to providing off-the-shelf products, ImpleoTV Systems offers a full set of consulting / development services for a wide range of technologies to enterprises worldwide. We work very closely with our customers to adapt our solutions in order to meet the needs of their specific applications. As a full service consulting firm, we can handle all aspects of your project — specification, design, implementation, testing, and other related services.

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