OVERVIEW

PICTE manages full motion video (FMV) sensor chaos so you don’t have to — PICTE is the essential backbone to managing the multiple types of feed inputs in the full motion video world. Leidos develops and implements new sensor and metadata interfaces for PICTE that deliver standards-compliant, high-quality video output.

PICTE software runs on Microsoft® Windows® and Linux® servers and provides image capture of standard or high definition video feeds and conversion to MISB-compliant formats for broadcast and/or archiving. The image capture element receives real-time FMV video and metadata, performs any necessary metadata transformations, and multiplexes the video and metadata into a synchronized, standards-compliant output stream. The streaming output from PICTE can be viewed in real-time using AIMES Exploit or AIMES Viewer software while simultaneously being archived to the motion imagery library of AIMES Server. Since the output is MISB standards-compliant it can also be used in other MISB-compliant motion imagery exploitation solutions.

BENEFITS

› Provides real-time Motion Imagery Standards Profile (MISP) streaming of FMV streams, supporting MISB standard 0102.11 and 0601.11
› Designed in close alignment with the standards and profiles established by the Motion Imagery Standards Board (MISB)
› Allows managing and distributing of extensive dynamic and time-keyed metadata with video
› Provides video and embedded information synchronization such as time and geolocation to support search and storage of the video
› Can create and automatically send an MPEG Transport Stream with Key-Length-Value (KLV) file slices to a collocated AIMES Server for archiving and later retrieving with digital exploitation workstations for near real-time analysis.
**PRODUCT LINE**

**20 FEED PICTE (PICTE 20)**
Windows® or Linux® server with PICTE software providing image capture and conversion of 20 simultaneous standard or high definition feeds and conversion to MISB-compliant formats for rebroadcast.

**MOBILE PICTE (PICTE-M)**
Mobile Windows® server with PICTE software providing image capture of up to 15 simultaneous standard or high definition feeds and conversion to MISB-compliant formats for rebroadcast. Mobile PICTE server is designed and built to meet or exceed common military standards.

**20 FEED PICTE ADD-ON**
Additional processing and storage capability for PICTE 20. Includes integration of additional hardware and software to support the ingestion and capture of 20 additional exploitation quality video feeds.

**TECHNICAL SPECIFICATIONS**
Provides real-time MISP streaming of the following FMV data types:

- MPEG Transport Stream (UDP) video and metadata
  - MPEG-2 Standard Definition and High Definition support
  - H.264 / MPEG-4 Part 10 / MPEG-4 AVC
  - H.265 / HEVC / MPEG-H Part 2
  - MISP KLV metadata-only
  - MPEG TS with EIA-608 or CEA-708 CC metadata
  - NATO STANAG 4609

- MISB Standards
  - MISB Standard 0102.11
  - MISB Engineering Guideline 0104
  - MISB Standard 0601.11

- HDTV MPEG-2
- Analog NTSC*
- Analog PAL*
- HD-SDI*
- SDI*

Specifications are subject to change without notice.
*Requires optional external encoder

**BENEFITS**

› Capable of processing, streaming, storing, exploiting/analyzing, and producing reports for 60 exploitation quality feeds

› Converts any non-MISP data sources (such as legacy NTSC line 21 VBI ESD metadata) into MISP compliant streams

› All MISP data elements are preserved in the originating format. Required metadata (such as security metadata) is added without tainting the original source metadata.

› Includes AIMES Restream and AIMES Reflector software

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