



View mission-critical full motion video (FMV) and KLV metadata on your desktop or laptop for timely decision-making and enhanced situational awareness.

Haivision Play ISR is a free desktop application enabling defense and ISR professionals to view low latency video streams along with KLV metadata. This enables users to see events unfolding in real-time and make faster, more informed decisions.

Live Motion Imagery Play ISR displays real-time video and its embedded metadata, providing visibility of mission-critical information. The player is configurable, allowing users to tailor the view of stream statistics and geospatial metadata to their operational needs. By handling MISB-compliant Transport Stream (TS) content, Play ISR ensures an accurate presentation of metadata essential for quick decision-making in high-stakes ISR environments.

Live playback of high-quality video over UDP and SRT Play ISR allows defense and ISR professionals to view high-quality, low-latency video streams encoded in H.264 and HEVC, transmitted via UDP and SRT protocols. It supports configuration of various source types, including UDP unicast, UDP multicast, and SRT, allowing compatibility within diverse network setups.

Decode and display KLV-formatted MISB/STANAG geospatial metadata The geospatial data, including visual moving target indicator (VTI) metadata, providing the context needed for a more complete understanding of what is happening during mission-critical situations. VMTI metadata can be AI generated by the Kraken video processing platform and supported object detection algorithms.

Part of Haivision's complete ISR video ecosystem Play ISR is a key part of Haivision's ecosystem of solutions within ISR and defense. It can be used to playback live video streams and KLV formatted metadata from any standards-compliant source, including Makito encoders and Kraken video processors. Users can be assured that they are leveraging a real-time video player compatible with existing Haivision products as well as other MISB compliant systems, making Play ISR a must have tool for ISR professionals.

FEATURES

BENEFITS

UDP and SRT protocol support

Playback ISR streams from the most common live video sources including UDP multicast and encrypted SRT.

File Playback

Review MISB Transport Streams files in support of after-action analysis and reporting. (Coming soon)

Sharable Stream Lists

Curate lists of saved streams to export and share with other Play ISR users.

Supports H.264 and HEVC video

View high-quality video streams, providing detailed and reliable visual information for decision-making.

Metadata Overlay

Gain geospatial context by leveraging MISB-compliant KLV metadata overlays, including VMTI, for a more complete understanding of events unfolding in real time.

Low Latency

Maintain full control over video latency & performance and tune to match the use-case.

Media Stream Statistics

Monitor stream health to troubleshoot upstream network and image quality issues.

Cross Platform

The free to download and use Windows, Linux, and MacOS applications share the same capabilities with each release to ensure a consistent experience no matter what device is used.

Easy setup and configuration

Simple to install, and easy to use, both technical and non-technical users can get started quickly and view their real-time ISR video.

OPERATING SYSTEMS*Windows*

Windows 10, 11
x86-64 systems

Linux

Major Distributions
RHEL7 family and later
Ubuntu 14 and later
Requires Xwindows, GLIBC 2.17+, Linux Kernel 3.10+
x86-64 systems

MacOS

Ventura, Sonoma, Sequoia
64-bit Intel, Apple Silicon systems

NETWORK INPUT

Transport Stream over UDP
Transport Stream over SRT

FILE INPUT

MISB Transport Stream Files (coming soon)

CODECS*Video Decoding Codecs:*

H.264 / AVC
H.265 / HEVC
MPEG-2

Audio Decoding Codecs:

MPEG-1 Layer I | II | III
MPEG-4
MPEG-2 AAC
DTS
ADPCM, 1 Linear PCM

METADATA HANDLING

Key Length Value (KLV) metadata parsing per SMPTE standards
Asynchronous and Synchronous KLV carriage support per MISB standards
MISB ST0601 UAS Datalink Local Set
MISB ST0102 Security Metadata (within ST0601 Local Set)
MISB ST0903 Video Moving Target Indicator Metadata
STANAG 4609
SMPTE 336M-2007 KLV Data Encoding Protocol

NETWORKING

Single-Program Transport Stream (SPTS)
Multi-Program Transport Stream (MPTS)
Unicast Streaming (IPv4 & IPv6)
Multicast Streaming (IPv4 & IPv6)
Source Network Selection

VISUAL CAPABILITIES*Overlay:*

Real-time Media Streaming Statistics and Graphs
MISB ST1909 Metadata Overlay for Visualization
Full Screen support

Sidebar:

Real-time Media Streaming Statistics and Graphs
MISB KLV tabular view
MISB KLV grouped view

STREAM MANAGEMENT

Recent Connections List
Saved Connections List
Import/Export Stream Lists

LATENCY CONTROL

Ultra-Low to High-Quality
Disable Audio

Software Version: 1.3.0

Play ISR Product Portfolio & Ordering Information **

Play ISR

SW-PLAYISR-BASE

Play ISR low-latency video and KLV desktop player. Distributions compatible with Windows, Linux, and MacOS. Supports playback of MISB transport streams with KLV metadata over UDP and SRT protocols.

** For complete pricing and ordering, contact us at sales@haivision.com or your certified Haivision reseller.