WISI

Learn How to Use SRT for Low-Latency Streaming
Securely Deliver Live Video Over the Internet

WISI, a member of the SRT alliance, has integrated the SRT protocol into the WISI Intelligent Headend Product family - Inca, Tangram or Chameleon. Video operators can now send or receive SRT streams using WISI products to lower latency and increase reliability.

How Does it Work?

SRT optimizes streaming performance across noisy or unpredictable networks while addressing security concerns and focussing on high performance video.
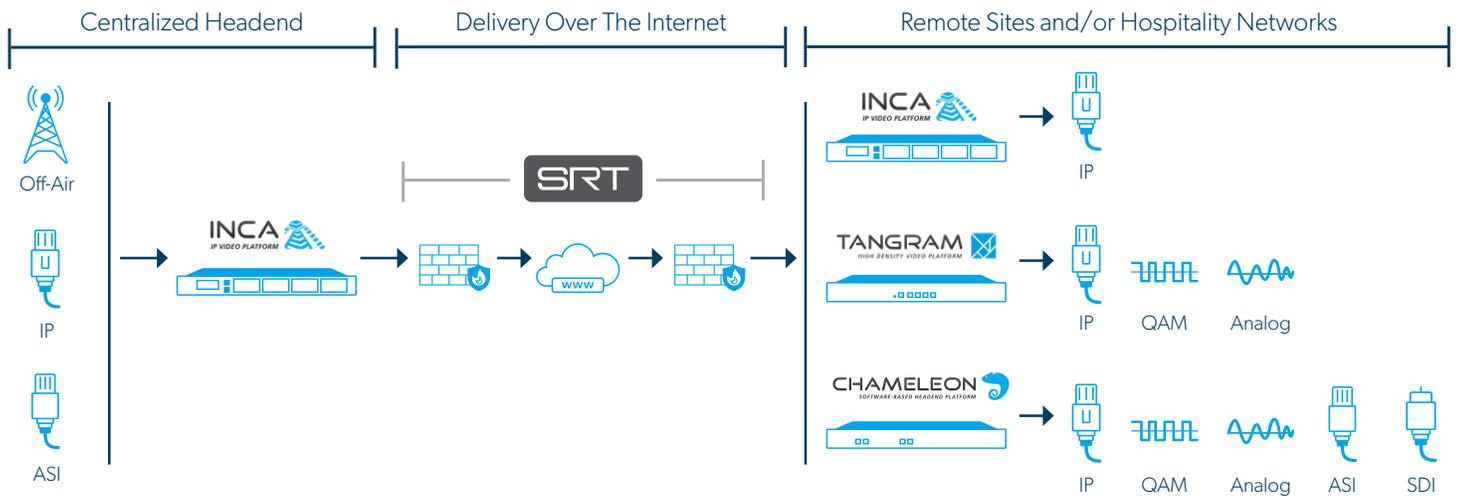
SRT is designed to protect against jitter, packet loss and bandwidth fluctuations to help ensure the best viewing experience. This new transport protocol uses advanced low-latency retransmission techniques to protect streams against packet loss.

As video and audio packets are streamed between two endpoints, SRT detects and adapts to the real-time network conditions between the source and destination devices. SRT also supports end-to-end AES encryption to ensure streams are protected from contribution to distribution.

SRT ensures easy firewall traversal by using a caller/listener handshake concept. The handshaking process used by SRT respects existing security policies by allowing outbound connections without requiring, permanent exterior ports to be opened in a firewall.

Chameleon, Tangram and Inca support all SRT transmission modes: caller, listener, or rendezvous.

Why Choose SRT?

✓ Send streams securely and reliably over the internet to remote headend sites or hospitality networks.

✓ Replace RTP+FEC and improve overhead bandwidth usage.

✓ Replace expensive satellite distribution deployments to reduce costs.

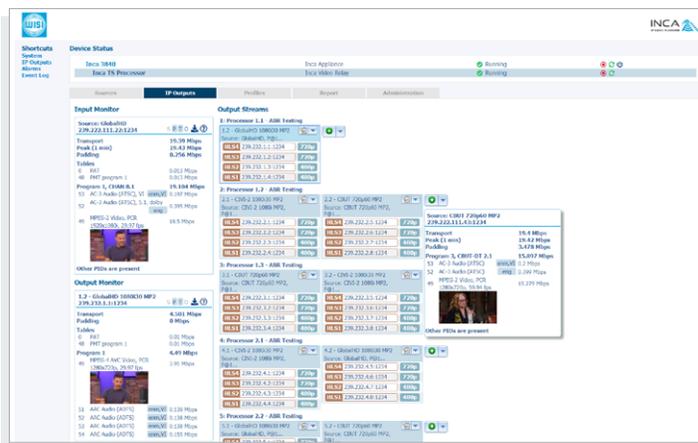✓ Leverage the internet and deliver high-quality video securely to different cities, countries and even continents.

Why Choose WISI for Your SRT Project?

✓ Option to transcode between MPEG-2, MPEG-4 and HEVC at contribution or distribution endpoint

✓ Encryption and decryption options using Verimatrix, BISS, Pro:Idiom or Samsung LYNK

✓ Receive SRT streams and output as IP, QAM, Analog, ASI or SDI

✓ Small footprint with power-efficient, modular solutions in 1RU

✓ Powerful management and monitoring tools

✓ Rapid configuration and deployment with an intuitive, web-based UI

✓ Reliable 24/7 operation thanks to quality engineering and strong North American technical support

Launch SRT with WISI

Configure and deploy with ease

Experience deep visibility and efficient troubleshooting

Experience effective diagnostic tools

INCA
IP VIDEO PLATFORM

TANGRAM
HIGH DENSITY VIDEO PLATFORM

CHAMELEON
SOFTWARE-BASED HEADEND PLATFORM

✓ Use Inca for high-density video delivery between remote sites

✓ Optionally transcode to optimize codec, bitrate or resolution of HD and SD streams

✓ Receive full-line up at remote site for IPTV delivery

✓ Use Tangram for high-density hospitality or edge applications

✓ Receive SRT and output as QAM or Analog

✓ Option to encrypt using BISS, Pro:Idiom or Samsung LYNK

✓ Use Chameleon for lower density projects

✓ Connect directly with broadcast sites and transport content using SRT

✓ Receive SRT and output as QAM, Analog, ASI or SDI

To arrange an online demonstration or discuss your project,

please send a request to sales@wisi.tv