

Software Transport Stream Gateway

DMG 7000



OVERVIEW

The DMG 7000 Transport Stream Gateway utilizes the latest software based platform from Sencore to deliver a highly flexible transport stream processor. Bridge the gap between unmanaged and managed networks with protocol translation between SRT and MPEG/IP workflows. Enable bulletproof transport stream distribution over the internet using advanced encapsulation methods like SRT and soon to be standardized RIST. Being software based, the DMG 7000 can be deployed on COTS hardware in a variety of form factors as standalone software or virtual machine reducing CAPEX and OPEX expenditure and growing as hardware platforms evolve.

APPLICATIONS

Content Distribution over the Internet

Enable low-cost distribution workflows using SRT streaming protocol on the open internet. Reduce OPEX and CAPEX of backhaul or backup networks.

Bridge Between Managed and Unmanaged Networks

Backhaul over the open internet with advanced encapsulation methods. Receive and transmit protocols such as SRT and MPEG/IP for broadcast workflows.

KEY FEATURES

- **Transport Stream Gateway**
 - ✓ SRT protocol with AES encryption
 - ✓ MPEG/IP RTP and UDP as MPTS to SPTS
- **Software deployment on COTS hardware**
 - ✓ 1RU rack mount for dense applications
 - ✓ Small form factor for low density applications

FUTURE FEATURES (subject to change)

- Reliable Internet Stream Transport (R.I.S.T) support
- Multiplexing for MPEG/IP outputs
- FEC Support for input and output streams
- Transcoding and Transrating

SPECIFICATIONS

Input and Output Options

Supported Protocols: SRT Streaming Protocol

MPEG over IP I/O*: RJ-45 up to 1GB
UDP or RTP
CBR or Null-stripped TS
SMPTE 2022/CoP3 FEC (roadmap)
Unicast & Multicast
IGMP v1/2/3
SMPTE 2022-7 (roadmap)

GENERAL

Management: RJ-45 Ethernet 10/100/1000
Connector: HTTP, SNMP, Web API
User Interfaces: Web-browser
UI Firmware Updates: Via Web UI

*Dimensions and input/output options dependent on hardware selection