



Konnect

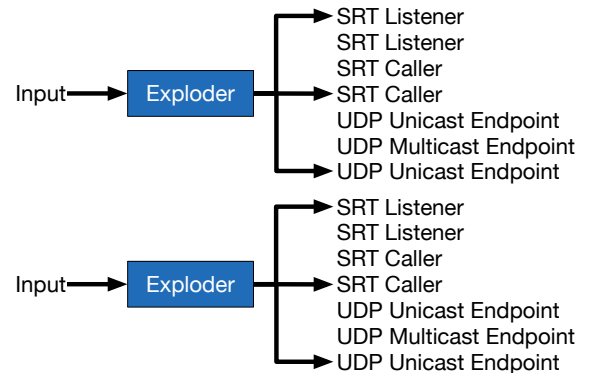
- ✓ Multi-destination MPEG-TS distribution
- ✓ IP or RF Inputs
- ✓ UDP, RTP, and SRT outputs
- ✓ Mixed-protocol streaming per output
- ✓ Built-in RF tuner support
- ✓ DVB-T/S/S2/C and ATSC compatible
- ✓ Multi-tuner configurations available
- ✓ SRT caller & listener modes
- ✓ Auto-reconnect SRT sessions
- ✓ HTML5 Web GUI
- ✓ JSON REST API

Konnect - IP and RF Media Gateway

The Konnect Media Gateway from Torque Video Systems is a high-performance MPEG Transport Stream (MPEG-TS) distribution platform designed for professional broadcast and contribution workflows.

Konnect receives MPEG-TS from IP sources or integrated RF tuner inputs and redistributes identical content simultaneously to multiple IP destinations.

It supports a flexible mix of output protocols including UDP, RTP, and SRT, making it an ideal solution for modern hybrid broadcast and IP-based distribution networks.



Multiple Input Types

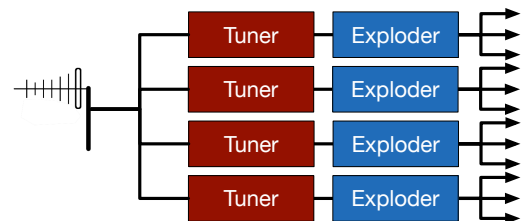
The base Konnect model supports IP-to-IP retransmission. Meaning it accepts standard MPEG Transport Streams over IP networks over common protocols used for television transport, including:

- UDP multicast/unicast
- RTP streams
- SRT input streams (listener or caller mode)
- RF Input (Optional Built-In Tuner)

Additionally, with the RF tuner option, Konnect can receive one or more transport streams via RF. Supported RF standards include:

- DVB-T / DVB-T2 (Terrestrial)
- DVB-S / DVB-S2 (Satellite)
- DVB-C (Cable)
- ATSC (North American terrestrial)

Multi-tuner variants are available to support reception of multiple simultaneous RF feeds within a single chassis.



Overcoming SRT's Limitations

Unlike UDP which supports one-to-many transmission via standard multicast protocols, SRT is limited to point-to-point connections. Konnect overcomes this restriction by enabling:

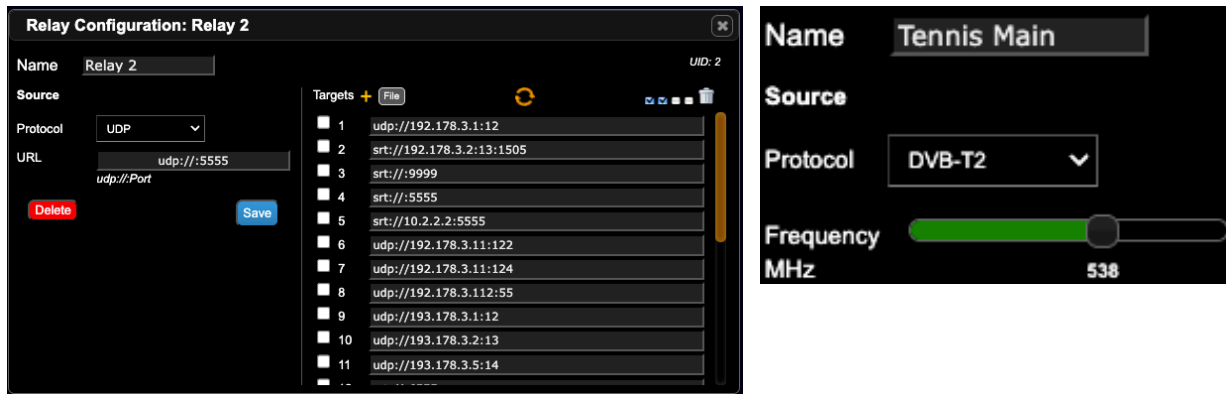
- Multiple simultaneous SRT outputs from a single input stream
- Independent session management per destination
- Automatic reconnection on link failure (Caller mode)
- Persistent waiting for inbound connections (Listener mode)

This significantly reduces infrastructure cost by eliminating the need for one encoder per SRT endpoint.

EASY CONFIGURATION

The Web GUI lets you quickly configure input, receiver, and streaming parameters. Output targets can conveniently be loaded from a CSV file.

Configuring the RF tuner is equally easy.



System Architecture Benefits

Designed for scalable broadcast distribution, Konnect decouples inbound inputs from output delivery points. Multi-SRT output reduces *encoder sprawl* with robust SRT multicast. With support for heterogeneous network environments, multiple transport protocol options for input and output, Konnect lets you better protect and optimize redundancy and resilience in your broadcast chain.

Summary

The Konnect Media Gateway simplifies complex broadcast distribution by bridging RF and IP inputs and enabling flexible, scalable delivery across UDP, RTP, and SRT networks. Its ability to fan out SRT streams to multiple destinations removes a key industry limitation, reducing cost and infrastructure complexity while improving operational reliability.

FOR MORE INFORMATION

Regardless of your customized requirements, our Torque professional services team is on standby, ready to assist. For further details, please contact your local sales rep or our Torque sales team (sales@torquevideo.tv).

SIGNAL INPUT

Interfaces	
Gigabit Ethernet	✓
10G Ethernet	Option
DVB-T/T2	1, 2, 4, and 8 input options
DVB-C	1, 2, 4, and 8 input options
DVB-S/S2	1 and 4 input options
ATSC	4 inputs
Protocols	
UDP	Unicast & Multicast
RTP	✓
SRT	Caller and Listener

SIGNAL OUTPUT

Interfaces	
Gigabit Ethernet	✓
10G Ethernet	Option
Protocols	
UDP	Unicast & Multicast
RTP	✓
SRT	Caller and Listener

PLATFORM SPECIFICATIONS

System	
Gigabit Ethernet Streaming Port	1
Gigabit Ethernet Management Port	1
Rocky Enterprise Linux	✓
Control Interfaces	
HTML5 GUI	✓
REST API	✓
4-Output Dry Relay Contact	Option

ELECTRICAL AND PHYSICAL

Electrical	
Input Voltage	88 to 250V AC 50/60 Hz
Redundant Power Supply	Option
Power Consumption	150W avg
Operating Temperature Range	10° - 30°C
Physical	
Dimensions	19" rack mount 250 mm deep
Weight	2.5 kg