



## Konnect

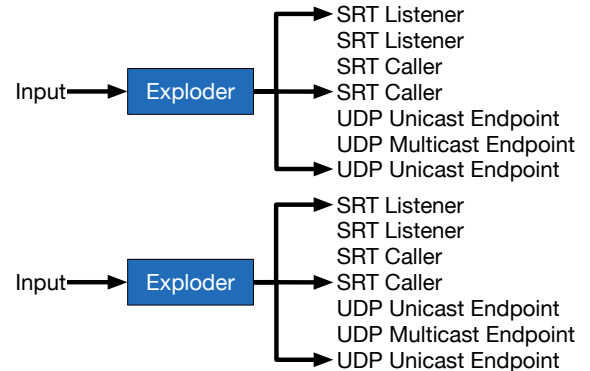
- ✓ Multi-destination MPEG-TS distribution
- ✓ IP or RF Inputs
- ✓ UDP, RTP, and SRT outputs
- ✓ Mixed-protocol streaming per output
- ✓ Built-in RF tuner support
- ✓ DVB-T/S/S2/C and ATSC compatible
- ✓ Multi-tuner configurations available
- ✓ SRT caller & listener modes
- ✓ Auto-reconnect SRT sessions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

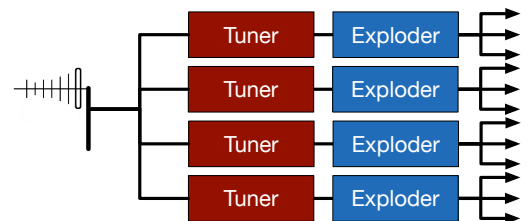
The base Konnect model supports IP-to-IP retransmission. Meaning it accepts standard MPEG Transport Streams over IP networks over common protocols used for television transport, including:

- 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:

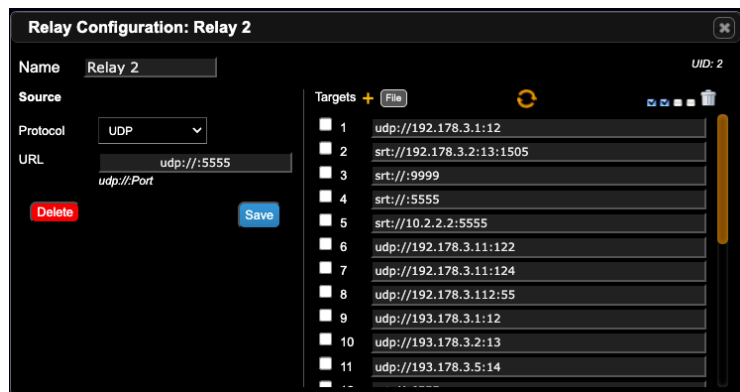
- Multiple simultaneous SRT outputs from a single input stream
- Independent session management per destination
- Automatic reconnection on link failure (Caller mode)
- Persistent waiting for inbound connections (Listener mode)

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.

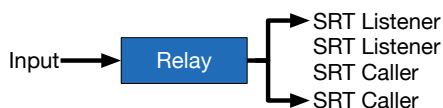
Configuring the RF tuner is equally easy.



## USE CASES

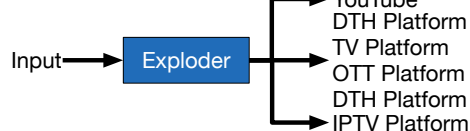
Konnect's flexible and modular architecture provides the flexibility to solve many television transmission and distribution challenges. Have a custom requirement? Talk to us today.

### SRT Multicast



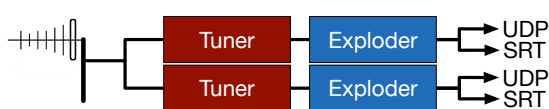
SRT does not support any form of multicast transmission. Forward any stream to multiple SRT destinations.

### Distribution



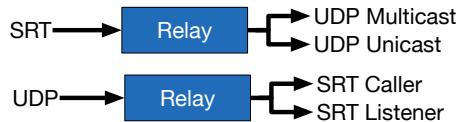
Efficiently forward live content like news or sports to broadcast platforms.

### Off-Air to IP



Receive off-air terrestrial or satellite broadcasts and forward to IPTV and/or OTT systems.

### Protocol Conversion



Direct one-to-one conversion between SRT, UDP and other protocols.

## 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](mailto: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      |
| Enterprise Linux                 | ✓      |
| Control Interfaces               |        |
| HTML5 GUI                        | ✓      |
| REST API                         | ✓      |
| 4-Output Dry Relay Contact       | Option |

## ELECTRICAL AND PHYSICAL

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