



TVX

TV eXchange

The future of the TV relay

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Introduction

- The IP environment represents the future of the audio/video relays using the Multicast protocol.
- Being part of an Internet Exchange (IX) with the purpose of stream distribution brings an added value and quality for the content providers and also for the cable operators.

Benefits

Benefits (comparing to a traditional satellite connection):

- **Higher quality for the transmissions (Full HD, 4K, 3D, HDR, UHD)**
- Low latency on the distribution part
- Simultaneous presence of multiple streams (MPEG-2 or MPEG-4)
- **Lower operation cost**
- Independence from the external factors (weather conditions) or third parties
- Efficient channel distribution
- **Highly reliable**: SLA and redundancy (the possibility to take over the stream from different locations)
- **High security and full control** over the people who can receive the streams using the management platform

Quality guarantee

The quality between the content provider and the cable operator is guaranteed as follows:

- The multicast traffic is transported through a separate VLAN
- Separate bandwidth allocation for that specific VLAN
- Connection and latency monitoring between the provider and the operator
- Unaltered stream transport by InterLAN
- Stream delivery on a dedicated port (separated)
- Stream acquisition is possible from different locations and via different paths

Access Management

There are 2 ways in which access provision to the stream for the operators is possible:

- Manual
 - The Operator sends via email the Retransmission Agreement to tvx@interlan.ro
 - If the Retransmission Agreement is valid, our technical department will provide access to the stream
 - We inform by email the broadcaster representative upon request
- TVX Management platform (work in progress)
 - More info on next slide

Why TVX?

The platform is available for operators in major cities in Romania:

- Bucuresti
- Constanta
- Cluj
- Craiova
- Iasi
- Suceava
- Timisoara

FREE Access to the multicast VLAN for the cable operators connected in InterLAN IX.

Available TV channels Available streams

april 2020: - 18 TV channels and streams


april 2022: - 98 TV channels
- 133 streams

Full list is available on www.interlan.ro

TVX prices Free for all

The access to the TVX platform is FREE for the following:

- Operators connected to InterLAN IX
- Content providers able to reach any of the InterLAN POPs.

Four squares are arranged in a row. From left to right: a light blue square, a light blue square, a light gray square tilted upwards to the right, and a light blue square.

Q&A



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Thank you for your attention!