

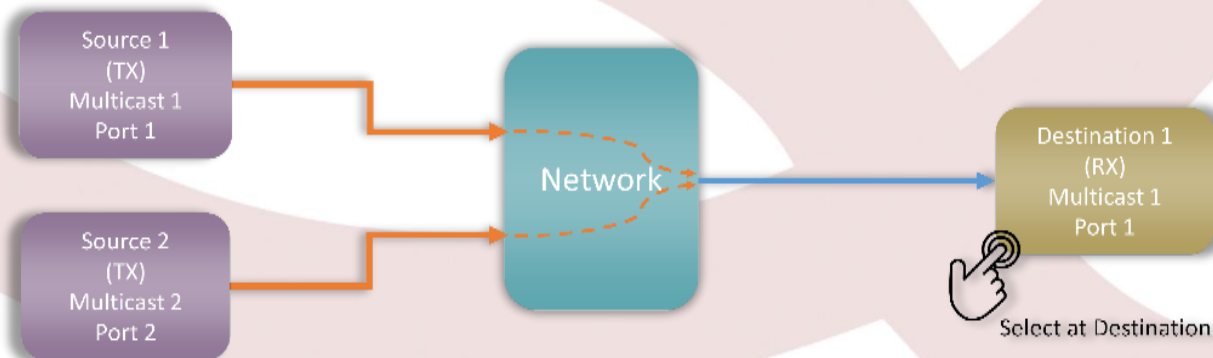
Video over IP routing Revisited.

Qrouter

With the accelerating deployment of IP based compressed video in transport networks and the progressive costs reduction of both associated hardware and services; It's becoming mandatory to replace old DVB-ASI interface based routers with their IP-based counterpart. The use of DVB-ASI interface in encoding and transport environments has been widespread for decades. In order to guarantee its routing and distribution, technologies used in the digital video space were adopted, namely the SDI interface. Transport Stream distribution, redundancy management and traffic routing in video networks began to be handled by conventional video routers.

Operation of this kind of systems turned into an extension the "classical" Broadcast operations: remote command & control via standard protocols and "on-the-fly" manual console operations relying on virtual or physical control panels. In other words, the basic operation of the system did not require a technical immersion in IT technologies; sources and destinations mnemonics were the only resources to play with.

IP transition not only entails unbeatable benefits in Broadcast operations, it leads to new challenges tied up with the control layer complexity as well. Much on the contrary to what happens in video, in IP, routing and distribution decisions rely on source and destination equipment rather than on the network electronics skin.

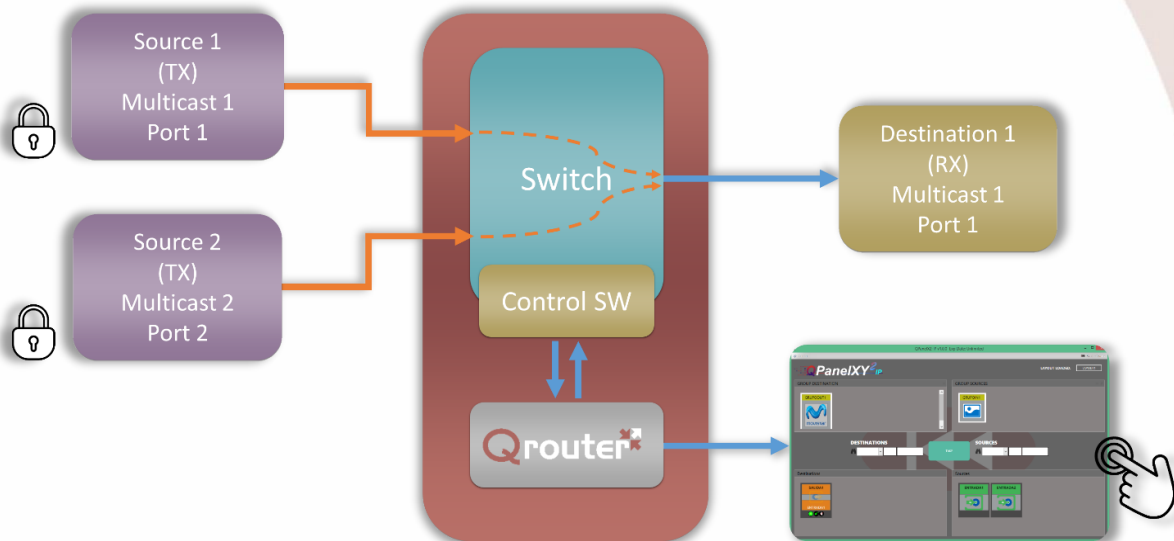


Qrouter is featured as the key tool to bring back the manual operation in compressed video over IP routing platforms, a major step towards a "non-traumatic" substitution of DVB-ASI routers in the new all-IP landscape.



Qrouter

Qrouter breaks into the control layer of a standard Ethernet switch (COTS). Thanks to this unique approach it's possible to fully process Transport Stream and put up a true agnostic self-contained tool that avoids any action over other 3rd party elements.



Management layer is fulfilled thanks to **QpanelIXY**, the PC based XY router control panel part of **QinMedia** portfolio. This virtual panel was originally designed to cope with standard video router control requisites as a user friendly tool for console operators. Same benefits apply now to **Qrouter** console operators: "video-like" operation, real time and straightforward action.

Features:

- IP Transport Stream Control at physical port level.
- Agnostic and self-contained solution. Management of third party element in the ecosystem NOT required.
- Ethernet switch statistics.
- Real time manual control. Supports **QpanelIXY** and physical panels.
- Supports remote control & monitoring. SNMP
- Data Center deployment ready.

Applications:

- Transport Stream routing in headends, distribution nodes, Broadcast premises, etc.
- Redundancy management.
- Monitoring systems.
- Automatic Transport Stream over IP Changeover.