Cinegy Route

4K IP based broadcast solution

Replacing aging SDI-based infrastructures with internet protocol (IP) based infrastructure technology has become an increasingly popular choice among broadcasters seeking to improve workflow efficiency and cut costs. IP infrastructures permit stream-data to be transported over Ethernet networks, rather than via SDI (serial digital interface) switches and cables, and offer numerous advantages to broadcasters. IP infrastructures are far less costly to build and maintain. They also provide greater capacity and enhanced flexibility, allowing broadcast operations to grow more quickly and run more smoothly with fewer problems.

Cinegy Route – Control and Manage

Switching away from SDI does not mean an end to managing and organizing signal streams. Cinegy Route provides the essential building block for IP-based infrastructures, delivering a centralized directory for discovering and securing high volumes of programming streams. Client applications allow authorized users to register and preview streams at their desk, as well as use powerful virtual destination objects to replace traditional SDI routing while adding powerful real-time processing.

Directory Services

Anyone that ever used an SDI router soon realized they need somewhere to write down what they plugged into it. That problem is magnified with the flexibilities of multicast and IP streaming, leading all too quickly to a soup of media data flowing through a network with no easy way to separate out.

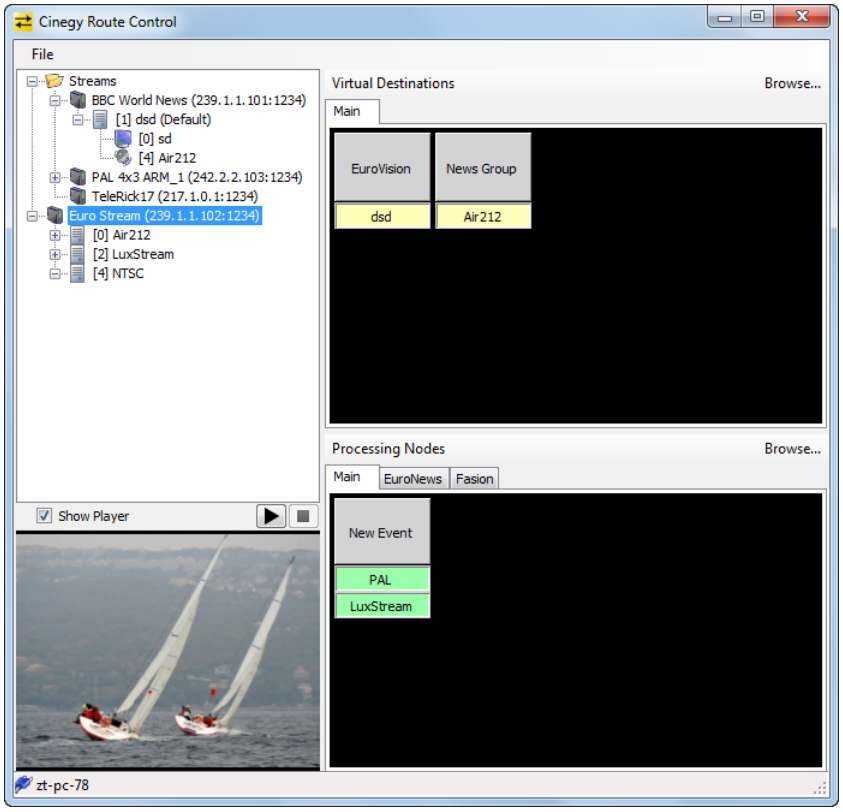
Enter Cinegy Route Directory Service, a centralized database of available, registered streams in your video network. Using integration with MS Active Directory, it's simple to control who can enter, manage, discover or update your directory of streams. In fact, using intuitive security controls to restrict what operators can find isn't just about preventing abuse – it's critical to helping people feel comfortable and in control of working on signals they care about for their job, without interfering with others and seeing unwanted streams in the remote control panels.

Making Connections

Once the door to IP streams has been opened by customers looking to move forward from classic baseband signals, you quickly realize you didn't just leave the cable which carried the signal – you also lost some of the smarts in the devices they connected to. As the first to bring IP signals to the mainstream, Cinegy already found all these problems and developed solutions for them. Using the rich client tools provided as part of the Cinegy Route package, operators can preview streams from the network directly at their PC – and then step things up a level using the unique 'Virtual Destination' technology at the heart of Cinegy Route. Never again bind a device that will receive an IP stream to an address – just bind it to our Virtual Destination URL and anything supporting our look-up format can resolve to the stream. With our multicast announcement services, devices can follow a stream as the Virtual Destination changes – giving a clean, centralized configuration of all your device inputs.

You want audio with that?

Too many times have people cared only about the video, forgetting that many parts of the workflow require careful handling of audio flows. Cinegy Route allows the registration of audio-only services, as well as permitting operators to specify how a receiving device should mix, amplify, shuffle or delay audio channels – or even grab the audio from totally different streams and combine into a new output.



Cinegy Route displays all visible physical network sources available for the currently connected server in a tree-like form