Bridging the IPTV / AVoIP gap with our NDI integration

Exterity AvediaStream Encoders and Transcoders as well as ArtioPortal Desktop support NDI, NewTek's AV-over-IP (AVoIP) standard, for an end-to-end low latency workflow. This seamless integration enables organisations to easily contribute, distribute and display content – sharing production-quality video between AVoIP live production environments and Exterity IP video solutions.

NDI®

Use Case 1: Deliver a unique, immersive fan experience around stadiums

1 Venue cameras around stadium capture live action as it's happening on the pitch. Existing cameras can be used to contribute to the NDI workflow using AvediaStream encoders.

NDI®

2 NDI Tricaster Studio on premise enables production of live feeds coming from various cameras around the stadium.

NDI

3 Exterity Transcoder then transcodes the AVoIP feeds into IPTV feeds, so they can be shared and viewed around the venue.

IPTV

4 The IPTV stream can be delivered across the entire concourse as part of digital signage, ensuring that fans feel immersed in the competition and can appreciate up close the beauty of the game, wherever they are within the stadium.

Use Case 2: Enable university students to view live-stream surgeries for learning and analysis

1 | A camera captures the surgery as it is being performed. The video stream is encoded and distributed by Exterity Encoders.

NDI

2 | Students with a direct view of the operating theatre can see the surgery as it is happening in front of them, as well as simultaneously and close-up on their computer screen.

3 | Exterity transcoders ingest the NDI stream and convert it to be delivered on an IPTV network.

IPTV

4 | Students around the campus can also watch the surgery live or as Video on Demand, in classrooms or in their student accommodation using Exterity middleware.

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