

Global News Agency Deploys TVU Grid

World News Leader Experiences Dramatic Operational Cost Savings Through Unparalleled Live IP-Based Video Switching, Routing and Distribution Solution

Location:

USA

Challenges:

- Replace legacy infrastructure with an innovative and scalable, live video routing, switching and distribution broadcast technology solution
- Improve network station workflow efficiencies and overall broadcast flexibility

Benefits:

- Cost-effective alternative to expensive satellite and fiber legacy options for live shots from around the world
- Accepts any IP based video input source for switching, routing and distribution, including TVU® transmitters, SDI, IP cameras and web channels like YouTube
- Simple operation and distribution from the TVU Grid™ Switch interface
- Ultra low latency with seamless video switching
- Scalable to more affiliates over time

Challenge:

A leading national and world news broadcasting company (Network), was searching for an innovative and competitive solution to replace its legacy satellite and fiber infrastructure and migrate to an IP infrastructure for its video acquisition and distribution. The Network was looking to transition to a more seamless and scalable alternative for live video broadcasts.

Solution:

In order to meet the evolving needs of the ever-changing landscape of mobile, live television broadcasting, the Network selected TVU Grid™ to provide live, IP-based video switching, routing and distribution. The Network deployed dozens of TVU Grid™ Transceivers in the US and overseas.

The Network was able to efficiently switch and route HD video from various remote locations, whether during large-scale, breaking news incidents or high-profile live televised broadcasts, the Network was able to use video feed from TVUPacks and other sources seamlessly and with the ease of just the click of a button. TVU Grid's ability to accept any IP based video source and not just TVU® transmitters gave the Network the versatility and flexibility it needed for daily news broadcast use. Additionally, with TVU Multiview, the Network could monitor IP streams in real time, without the need to convert signals from SDI.

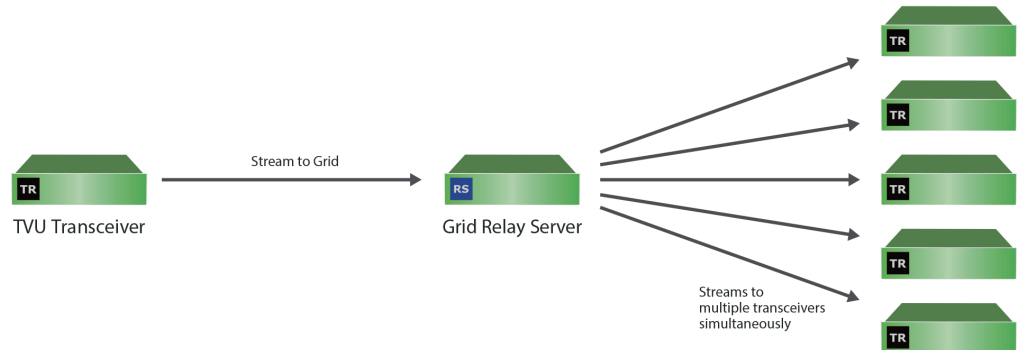
Benefits:

For the Network, the biggest benefits of TVU Grid™ have been the dramatic operational cost savings and the simplicity with which broadcasters can seamlessly switch HD video streams with very low latency and without disruption. The Network was able to schedule, manage and seamlessly switch video feeds and relay servers easier than ever before, through a user-friendly, remote web interface. Additionally, the Network is now able to easily add affiliate stations through additional TVU® Transceivers so they can continue to grow and expand, now and in the future.

About TVU Grid:

TVU Grid™ was developed to give broadcasters all over the world the ability to route live, low-latency, professional-quality HD video streams over IP networks to one or more Grid-enabled news stations as it's happening. TVU Grid's open API functionality delivers deeper integration into any broadcaster's workflow, enabling broadcast organizations to fully integrate automation and scheduling tools into the Grid system, resulting in a robust, seamless distribution solution that fits easily into the production workflow of any organization without disruption.

TVU Grid™ delivers unlimited scalability for broadcasters looking to distribute video to multiple geographic locations. TVU Grid™ is designed to be able to dramatically expand the scalability of the Grid network without increasing bandwidth requirements at each individual station connected to the Grid.



The TVU® Transceiver is the primary hardware component of TVU Grid™, enabling stations to share video in real time. The TVU® Transceiver is a custom-built appliance that connects each television station to the Grid via a standard broadband Internet connection. Stations can input video from any source to the TVU® Transceiver, whether it be from other stations connected to the Grid, from a TVUPack™ cellular uplink transmitter, from any online video feed, or from another SDI source in the station.

