



What exactly is TVU Grid?

TVU Grid is a powerful IP-based video switching, routing and distribution solution. The Grid consists of a network of TVUPack Transceivers that are edge devices installed at each broadcast station or production facility. When connected to other transceivers on the Grid network, broadcasters are able to seamlessly share video content over to any public or private IP Internet connection.

With TVU Grid, broadcasters are able to distribute video content from any TVU device or videos captured from any SDI or IP source and distribute it to an unlimited number of destinations around the world. TVU Grid enables broadcasters to accelerate their transition to an IP based broadcast infrastructure and workflow and eliminate redundant legacy SDI or analog equipment.

What types of sources can I capture and stream over the TVU Grid infrastructure?

TVU Grid is capable of switching, routing and distributing video from any TVUPack, SDI or IP source. Grid-compatible sources include SDI studio feeds, satellite or microwave feeds, feeds from any cellular uplink transmitter like TVUPack, feeds from public Internet sources like YouTube, and more.

What are the bandwidth requirements for streaming HD video?

TVU Grid's default setting for an HD video stream is 8 mb/s per stream for 1080i HD video. The setting is configurable.

What are the bandwidth requirements for streaming SD video?

TVU Grid's default setting for an SD video stream is 2.5 mb/s per stream. The setting is configurable.

What are the hardware requirements for TVU Grid?

Broadcasters can be connected to a TVU Grid network by installing a GX series Transceiver at each broadcast station or production facility. The GX series of TVU Transceivers have SDI and IP inputs and outputs that enable the sharing of content from any source to any destination within the broadcaster's workflow.

How does TVU Grid fit into my existing workflow?

A GX series Transceiver is a 1RU server that fits seamlessly into any broadcast workflow and is simple to install at the production facility. Each stream on the Grid can be monitored and controlled through a simple to use GUI.

I don't use TVUPack. Can I still use TVU Grid for distribution?

Because TVU Grid can accept video from any IP or SDI source, broadcasters can use TVU Grid to distribute video, regardless of whether they use TVU cellular uplink transmitters.

Can TVU Grid work internationally?

Yes, TVU Grid is capable of distributing video between Internet-connected locations regardless of location. Several large broadcasters already use TVU Grid to simply and cost-effectively distribute video on a global scale.

What is the TVU Grid Relay Server?

The TVU Grid Relay Server is a relay server deployed at a centralized location in large Grid configurations to centrally manage and control multiple streams between a large number of locations.

Do I need to host the TVU Grid Relay Server in our own data center to stream video to multiple locations?

No. TVU provides customers with a number of deployment options to best fit each broadcaster's unique needs. The TVU Grid Relay Server can be hosted in the broadcaster's own data center or it can be hosted by TVU Networks in the cloud.

Is Closed Captioning supported across the Grid?

Yes, TVU Grid supports closed captioning for all distributed video streams.

What is the latency for each transmission in the Grid?

TVU Grid is capable of distributing live HD video streams between internet-connected locations located anywhere in the world with sub-second latency.

Does Grid work with TVU Anywhere?

TVU Grid is fully-integrated and compatible with the entire family of TVU cellular ENG transmitters, including TVU One, TVUPack TM8200, the TVU Anywhere mobile application or TVU MLink rack-mountable transmitters.