TVU Producer

Advantages

- △ Cloud-based solution gets you started in minutes
- △ Multi-channel IP video switcher with titling and graphics capabilities
- △ Effective remote team collaboration through social production tool TVU Partyline®
- △ Scalable to any audience, multi-platform streaming
- △ Flexible, fits easily into your workflow whether it is traditional SDI, NDI or IP
- △ Enables bi-directional audience participation in real time

Broadcast Quality Cloud Production meets Social Production.

Produce multi-camera live programs in minutes, with zero latency, even with smartphones. Add graphics, mix audio, and safely live stream on any platform with one click.



TVU Producer Features

Works with Any Standard IP Source

Producer is designed to work with virtually any IP video source including TVU Anywhere, TVU One™, TVU RPS One, TVUPack®, TVU MLink, TVU Grid, TVU Partyline®, TVU Replay or any standard IP video stream (HTTP, RTP, RTSP, UDP, SRT, RTMP, HLS, NDI, Zixi, RTP-FEC, etc.). Up to 12 live streams, plus clip players and custom sources, can be easily added at any time by the user directly from the Producer interface. With TVU Token, any user of an iOS, Android or macOS device can quickly download the TVU Anywhere application and be added as a live video source in seconds.

Live IP Video Switcher

Up to 12 live streams, plus clip players and custom sources, can be switched seamlessly in the cloud with precise frame accuracy from the TVU Producer interface. Producer uses frame-accurate switch technology to overcome the limitation of Internet delay to enable frame accurate previews in the web based interface, and to have an action happen exactly at the user's intended frame. TVU Producer allows for quick-cuts on the source interface or the use of a traditional preview/program workflow. It also allows for audio/video cuts or video only cuts allowing audio to come from a single source while still switching video sources.

TVU Partyline®/ Video Conferencing

TVU Partyline® is the next gen IFB/ video conferencing solution for social production. With TVU Partyline®, call participants can achieve a unique level of communication and interaction from remote locations as though they were in the same physical studio while producing live and pre-recorded programming. With TVU Anywhere, TVU's patented ISX transmission algorithm also enables production personnel, talent and tools to collaborate remotely in real time with full HD video quality and perfectly synced audio/video signals. The mix minus feature ensures feedback elimination without special wiring. Producer can also add a Partyline participant as a source and send its program output back to Partyline as a video return.

Multi-channel Graphic Overlays

From the TVU Producer interface, a user can upload any PNG graphic (up to 1920x1080), including an alpha channel and transparency, as well as JPG and GIF files, for overlay on the video output. Multiple graphics can be uploaded and used simultaneously such as a lower-third title and a transparent bug logo. Producer's Preview window acts as the ideal setup for placing graphics over live video by allowing the user to visually position or resize graphics. Native text overlays and tickers, dynamic overlays from Singular.live and Viz Flowics, and URL or NDI (with alpha channel) overlays are also supported.

Advanced Audio Mixer

TVU Producer has a dedicated separate interface built for audio operators to mix audio for the program separately from video and graphics operation for those who put a premium on sound quality and convenient operation. This results in monitoring each video feed for production, in adjusting all audio input levels as well as master output and adjust pans for each channel. It also allows for assigning channels for each group for simple management of multiple sources wherein each channel can be muted or selected as a solo monitor for fine tuning as needed.

TVU Producer also features multiple audio channels support for 2, 4, 6, or 8 embedded output channels for increased flexibility. This can be particularly useful for instance when multilanguage support is required with the ability to have one output pair in one language and a second pair output in another language. Up to 4 pairs of output channels can be configured and adjusted independently.

Customizable Multi-viewer

TVU Producer enables users to have flexible multi views to create unique and compelling experiences depending on the inputs and audience. The user not only has the ability to have a quad-view, tri-view and dual-view, but can now also resize or create custom views of up to six windows, with or without borders, per needs for both landscape and vertical modes. This feature gives the users greater control and ability to creatively engage the audience.

Record, Edit and Replay

TVU Producer records live video sources with the capacity to record all feeds and the program output (PGM) simultaneously. Recorded sources can be viewed and replayed instantly with start and stop controls from the Producer interface. In addition, Producer also allows for the immediate editing of recorded video with easy mark in and out points for real-time production and ability to go live all from the cloud. With TVU Replay integration, playlists created in TVU Replay can be brought into Producer as clips, ready to be produced.

Local Clip Playback

With the advanced Clip Player the user can pause, rewind and fast-forward the local clip (recorded clip on your device) per their needs and/or play it from a desired location for a specific duration. It allows user to cue the video to the desired location and play it from the program window from the current location. The user could also auto-cut from preview window to program window when the entire local clip has played. Clips can also be played as a playlist or in loop mode, and audio files are supported.

TVU Producer Features

Transitions

Create a unique look and feel to your live production by choosing between dissolve, iris in and iris out transitions and raise the viewer experience. Combine feeds in style by gradually transitioning, emphasizing, or adding closure to a scene as you move from one live feed to another. An L-band transition is also available to create a new view in the Program window while live.

Closed Captioning

Automatically add FCC compliant closed captioning to all your live feeds. The captions are generated in real time using our AI based tool TVU Transcriber, ensuring perfect synchronization with audio and video feeds. Live captioning is also supported through integration with EEG.

Seamless Collaboration

Effortlessly share live feeds with your production teams and collaborate in real time to produce and publish live shows.

Monitoring and Diagnostics

Scan the status of the IP feeds from all your source inputs and outputs from a dashboard view. Get diagnostic information to carry out preventive maintenance and timely resolve transmission, network bandwidth and other issues.

Output Buffer

Set a time buffer of up to 300 seconds between the live program and the encoded output. If an issue such as profanity occurs, the operator has time to react and switch to a replacement video or image.

Auto Failover

Set up a primary and a secondary slot. If the primary video in the program fails to play within the set time, Producer automatically switches to the secondary video.

ISO Recording

Post-production teams are constantly looking to package and repackage content not just for TV, but for mobile apps and social media platforms. In this environment it's no longer enough to just record the final output/ master mix as it limits the editing playing field. With ISO recording you can record each camera source independently of other feeds and final program output. Recorded files are saved in TS format.

SCTE-35 Based Dynamic Ad Insertion

Control the insertion of SCTE slice points or triggers in TVU Producer to signal an ad-insertion in the transport stream. SCTE pass-through, including pre-roll replacement, is supported as well.

Publishing in Landscape as well as Vertical Mode

TVU Producer helps push live and recorded content to social media, virtually any CDN or video cloud service workflow in landscape as well as vertical mode (9:16 aspect ratio). You could also output content to any traditional workflows such as SDI, NDI and SMPTE 2110 using TVU Grid, all with the click of a button.

RTMP Push and Pull

Easily push or pull a RTMP video stream into TVU Producer. RTMP(S), UDP and RTSP outputs are also supported in push or pull mode.

PTZ Camera Control

Control PTZ cameras that support the VISCA protocol directly from the Producer interface, through a VLAN tunnel connection with TVU devices in the field.

Macro Service

Record a sequence of actions and trigger it with a single click or keyboard shortcut. Automate switching, overlays, audio levels, PTZ moves and SCTE-35 ad insertion across TVU services.

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*Specifications are subject to change.