TalkShow®VS 4000

Broadcasters and media organizations no longer have to dedicate valuable time, effort, and resources coordinating the travel or technology needed to include multiple remote guests in their productions. Now they can conduct multiple live, production-ready Skype video calls in distraction-free, broadcast-quality HD—simultaneously.

NewTek TalkShow VS 4000 is the multi-channel video calling production system designed for instant connection and live interaction with any combination or sequence of contacts you can reach online via Skype. A facility-class, 1RU rack mountable solution equipped with industry-standard hardware connections and NDI™, NewTek's innovative Network Device Interface technology, TalkShow VS 4000 integrates seamlessly into any workflow—SDI, IP, or a hybrid combination of both—to enhance your productions with more compelling conversation, expert analysis and commentary, and in-depth discussion.

With TalkShow VS 4000, reaching the millions of monthly connected Skype users worldwide has never been easier. And with the enhanced video calling capabilities of Skype TX and comprehensive, behind-the-scenes video, audio, communication, monitoring, and control capabilities—you have the tools to ensure that every call looks great and sounds amazing.

People are talking. Join the conversation.
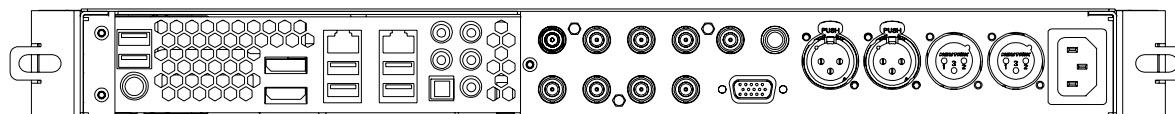
At a glance

- **Broadcast-style video from regular Skype calls**
  with automatic aspect ratio conversion and balanced audio—without requiring a scan converter

- **Access to 300 million monthly connected Skype users**
  and anyone else who downloads and signs up for the standard desktop client on any supported device

- **Distraction-free conversations, with no on-screen interruptions**
  such as pop-ups, ads, or dialog boxes. Unlike consumer calling software, TalkShow keeps technical management separate from face-to-face communication

- **Industry-standard 1RU chassis and HD-SDI I/O**
  with embedded audio for streamlined, single- or multi-unit installation and integration into any established switcher workflow

- **Video and audio over IP**
  with integrated NDI technology to network with hundreds of compatible systems and devices, plus fully integrated Dante audio support

- **Real-time video production tools**
  including per-channel proc amp controls, auto color correction, and built-in waveform and vectorscope to adjust image attributes, compensate for lighting conditions, and enhance call video quality

- **Audio quality enhancement**
  with built-in gain control, graphic equalizer, compressor/limiter, and noise gate settings to maintain consistent call volume and prevent audio clipping

- **Confident call monitoring**
  with high-quality, full-motion video previews, accurate on-screen audio VU, and configurable workspaces

NewTek TalkShow® VS 4000 System Specifications

Hardware Video Input	4 x HD-SDI with embedded audio
Hardware Video Output	4 x HD-SDI with embedded audio
Hardware Audio Input	4 x embedded SDI audio 2 x Balanced XLR (Line)
Hardware Audio Output	4 x embedded SDI audio 2 x Balanced XLR (Line)
IP Networking	Integrated NewTek Network Device Interface (NDI™) technology enabling transmission of A/V input and output signals over IP between TalkShow® and other supported systems, including TriCaster®, 3Play®, NewTek IP Series, and a range of third-party solutions
Dante Audio Networking	Integrated Dante audio support, enabling TalkShow to interface with other audio devices utilizing the Dante networking protocol from Audinate
Video Configuration	- Fully configurable color correction settings for each incoming Skype video signal, including white balance, proc amp controls, and auto color - Freely selectable video source for return to each Skype caller
Audio Configuration	- Fully configurable settings for each incoming Skype audio signal, including gain control, seven-band equalizer, compressor/limiter, and noise gate - Freely selectable audio source and mix-minus channel control for return to each Skype caller
Call Management	- Supports multi-channel Skype TX call management locally or over IP via Skype TX controller application - Local production control supporting per-channel configuration of call video and audio via TalkShow user interface - Direct mouse and keyboard USB interface required
Local Monitoring	- HDMI connectivity for local video monitoring - Stereo 1/4" phone jack for local audio monitoring - Full-motion input and output video previews within user interface, including optional picture-in-picture overlay of return video for each call monitor - Configurable multi-view workspace, including selectable layouts and optional overlays including title safe, 4:3 safe, center cross and VU meters - Audio VU metering
Output Video Formats	Configurable call video output resolution and frame rate, with support for NTSC and PAL formats - 1080i – 25, 29.97, 30 - 1080p – 23.98, 24 - 720p – 50, 59.94, 60 - 576i (16:9 or 4:3) – 25 - Return Video Formats 480i (16:9 or 4:3) – 29.97

Return Video Formats	Configurable return video input resolution and frame rate, with support for NTSC and PAL formats (available selections vary depending on output video format selected) - 1080i – 29.97, 25 - 1080p – 30, 30 PsF, 24, 24 (Telecine), 25, 25 PsF - 720p – 30, 25, 24 - 576i (16:9 or 4:3) – 25 - 480i (16:9 or 4:3) – 29.97
Watermark	Optionally supports Skype logo watermark on output
Tally	Supports hardware tally via HD15 GPI connector or network tally via NewTek NDI
GPI	HD15 GPI connector
Reference	- Genlock input supporting SD (Bi-level) or HD (Tri-level) reference signals - +4dBU audio reference level
Signal Monitoring	Integrated Waveform and Vectorscope, full field rate with digital calibration, color preview, and support for ITU-R Rec. 601 and 709
Software	Microsoft Windows 10 OS, Skype TX 4 software, Skype TX controller application, and TalkShow control software
CPU	4th Generation i7 Quad-Core
Graphics	8Gb
Storage	120Gb internal SSD
Processing	Video: 4:4:4:4, 32-bit Floating Point Audio: 4 channels, 96 kHz, 32-bit Floating Point
Standards	HD-SDI video conforms to SMPTE 292M
Network	SD-SDI video conforms to SMPTE 259M
Fail-Safe	- Multi-tiered fail-safe system - Automatic failover to audio transmission with caller snapshot when bandwidth falls below operator-defined preset value - Comprehensive system restore operation
System Physical	1RU Rack Mount with 180W power supply (110-220V external; 12V internal) - 19.0 x 1.75 x 16.75 in (48.3 x 4.5 x 42.5 cm) with rack ears attached - 15 lbs (6.8 kg)

Subject to change without notice.
For complete technical specifications, please visit the TalkShow product page at www.newtek.com.
Multi-standard pricing and availability may vary. Please contact your local reseller for details.

Rev 03