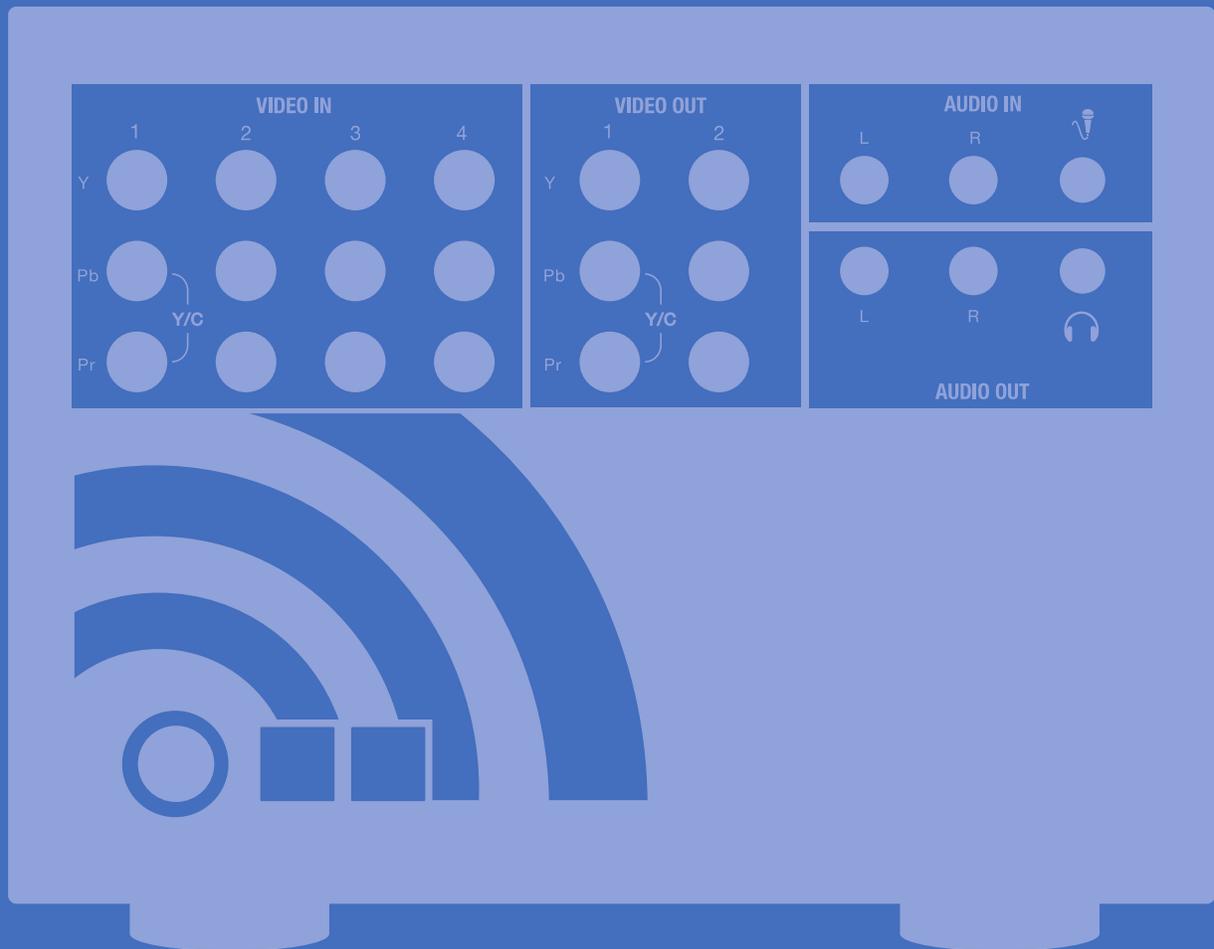


# Reviewer's Guide TriCaster™

40



# NewTek TriCaster 40

## Reviewer's Guide

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# Introducing NewTek TriCaster 40

NewTek TriCaster™ 40 makes it incredibly easy for anyone to take a live event of any kind, produce a high-quality, multi-camera television show, and then deliver it to the Web, mobile, projection screens, and broadcast TV in network-quality, high definition.

## The Most Complete HD Multi-Camera Video Production Studio Under \$5K

NewTek TriCaster 40 offers the total package for anyone from novices to professionals entering the realm of live production, Web television, and streaming video in an increasingly visual, increasingly immediate world. Integrating multi-camera video switching, television-style effects, video playback, graphics, virtual sets, recording, and streaming in one compact solution, no other product on the market offers as much capability for the price.

Establishing a new entry point to produce live, multi-camera video, share it with the world, and look like a pro doing it, TriCaster 40 delivers professional performance at an entry-level price, allowing people and organizations with a vision and a small budget to create a great video program—and their own media channel on the Web—for prices starting under \$5K.



# Customer Profiles

NewTek TriCaster 40 instantly empowers pros on a small budget, students in the classroom, corporate departments, small organizations and communities, video bloggers, performers, and independent producers to create the professional-looking programs they envision.

## Schools

In today's digital world, integrating live production into your school's curriculum with the all-in-one TriCaster is an easy way to enrich media literacy. Educators can add deep, multi-layered elements to traditional learning. And students learn valuable technological and multi-disciplinary skills. They also develop team-building techniques, collaborative abilities, and contribute to the overall school message by producing student news, sports, and other activities.

## Businesses

TriCaster's professional video capabilities are becoming a favorite for businesses who want to make lasting impressions in both special events and regular communications. TriCaster is key to making improved audience connections by virtue of combining the emotive power of sound, music, visuals both live and recorded, graphics, and presentation text to deliver key messages in a personal, lively and attention-grabbing way—in one system. Companies are also using TriCaster to find new ways to make money, improve ROI, and gain a competitive advantage by reaching and engaging more audiences.

## Houses of Worship

In the worship market, many churches are taking advantage of TriCaster



systems to offer an engaging experience during their worship service, even while facing limited resources and dependence on volunteer staff to operate the equipment. From expanding ministry through streaming, to extending video feeds to satellite campuses, display of music lyrics and text, and image magnification for large-screen projection, budget- and volunteer-friendly TriCaster systems fulfill house of worship live production needs easily.

### **Community Agencies**

Local and community government agencies are turning to TriCaster to increase their communication, training, and accessibility to constituents. Live production and streaming provide immediacy of any message—especially important in emergency and disaster situations. TriCaster is an asset for producing video communication that provides consistency among the different ways of delivering information and reinforcing a message—text, graphics, canned video, live statements, and presentations—to an increasingly technical audience.

### **Video Bloggers**

Video bloggers, podcasters, online journalists and webcasters are using TriCaster to create the multimedia programs that build their communities, create an ongoing dialog, invite interactive participation from their subscribers, and engage with their audience. Professional-looking live (or near-live) video helps them stand out from the thousands of hours of online video posted every day, increases their audience perception as experts, and keeps them at the top of feeds and the front of engagement-ranking algorithms like Facebook's.

### **Performers**

More than any other all-in-one streaming production video mixer, TriCaster allows musicians, agencies, tours and promoters reach new audiences, attract industry notice, and interact more closely with their fans. They can provide

unprecedented access to events, jam sessions and intimate chats over laptops, phones and tablets. And broadcast, project, and stream live (or record for VOD viewing or DVD merchandising) to provide a whole new level of content for devoted fans and new followers.

### **Freelance Producers**

TriCaster 40 gives independent videographers and producers a clear competitive advantage, offering a distinctive, all-in-one toolset and unrivaled streaming-production capabilities that help them enhance their business with fast-turnaround production and Web delivery. With its highly compact form factor and ability to pack up and travel anywhere, TriCaster also opens up new service capabilities and additional revenue-generating opportunities for freelance professionals.



# What's Included

## Featured Product

NewTek TriCaster 40 multi-camera video production system

## Content

Pre-loaded media includes:

- Sample video clips, images, graphics and backgrounds
- Library of title templates
- Roster of live virtual sets

## Documentation

- NewTek TriCaster 40 Quick Start Guide (printed)
- New User Cheat Sheet (printed)
- Electronic NewTek TriCaster 40 User Guide (PDF)

## Peripherals

- Power Cable
- Keyboard
- Mouse
- BNC to RCA video cable adapters

## Training & Support

- Online training videos
- Online knowledge base

## Additional Requirements

To operate NewTek TriCaster 40, a monitor supporting DVI or HDMI connectivity with a minimum screen resolution of 1600x1050 or 1600x1200 is required to view the system interface.

To feed a live source into the system, at least one camera or video playback device must be connected via analog component, composite, or S-Video to the corresponding hardware input on the front of the system. A computer display may be used for an additional source via a Network Input; for setup and instructions please refer to the manual.



# Product Highlights

## All-In-One, Turnkey Solution

With multiple advantages over piecemeal components, from ease of purchase and ease of setup, to ease of integration and ease of use, the turnkey operation of NewTek TriCaster 40 means that technology doesn't get in the way of creating your own show. In one compact system, you have a complete feature set, with fewer integration points for coupling and configuration, and exceptional portability, not to mention a total cost of ownership free of the hidden expenses typically associated with other "small budget solutions."

## Easy to Use

Plug in, add cameras and audio, and create—NewTek TriCaster 40 is really that simple. The "do-it-yourself" setup and operation allows anyone to get started making his or her own television show with professional results, while the user interface is both familiar and intuitive considering that it is the same design currently used by NewTek customers who produce more than 60,000 hours of live video content every week, with operators ranging from students and volunteers to video professionals.

## Cart-and-Carry Portability

Packing the work of multiple appliances into a desktop-friendly design, NewTek TriCaster 40 lets you take HD live production to more places with fewer moving parts. You don't have to worry about taking along piece after piece of specialized gear, along with all of the cables and connectors to make it all work together, or find a way to finance renovations—you can setup anywhere and do everything with one compact solution.

## **Entry-Level Price. Professional Performance.**

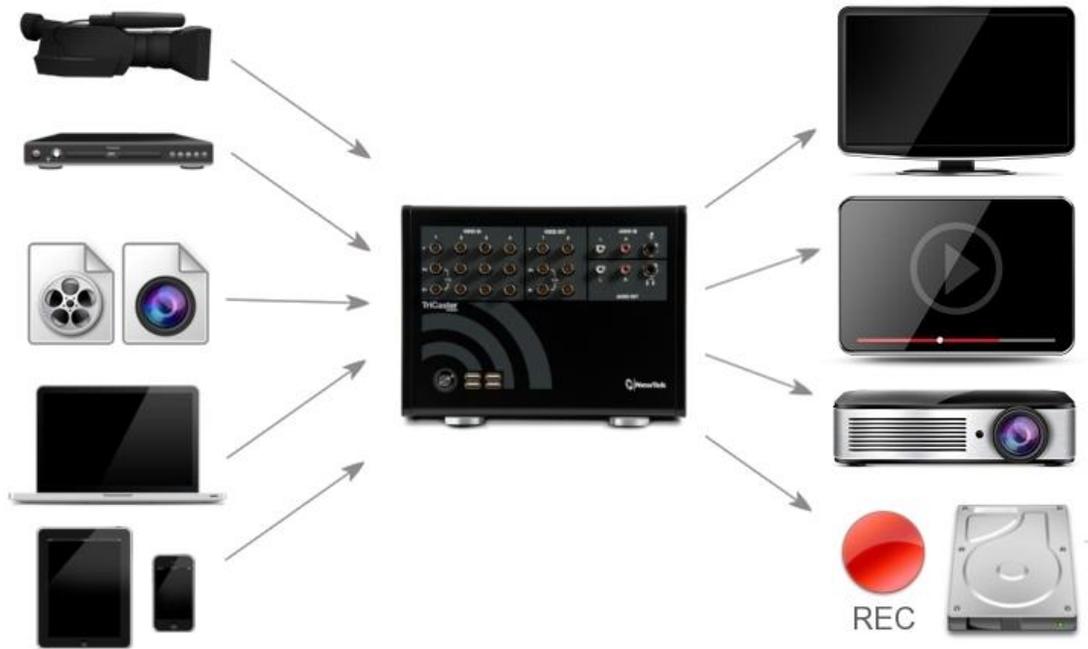
One-stop, professional multi-camera production with “wow factor” built-in effects, transitions, and virtual sets; bigger-looking productions with an internal clip player and even input from a live computer display; and support for text and CG title effects—and yet not even close to the cost of adding up individual components. The end result is a finished program as professional as broadcast TV, at a fraction of the cost. It’s so affordable, it can be duplicated across rooms, locations or mobile units to quickly add productions of equivalent brand quality to existing programming or expand the model to field or remote facilities.

## **Key Features**

### **Real-Time HD/SD Production Workflow**

Take your pick from a variety of media and devices, including HD or SD cameras, video feeds, stored video and motion graphics, titles and images, networked computers, and wireless iOS devices (iPad®, iPhone®, and iPod®), and create a television-style program for broadcast, live Web stream, a monitor or projector, and recording.





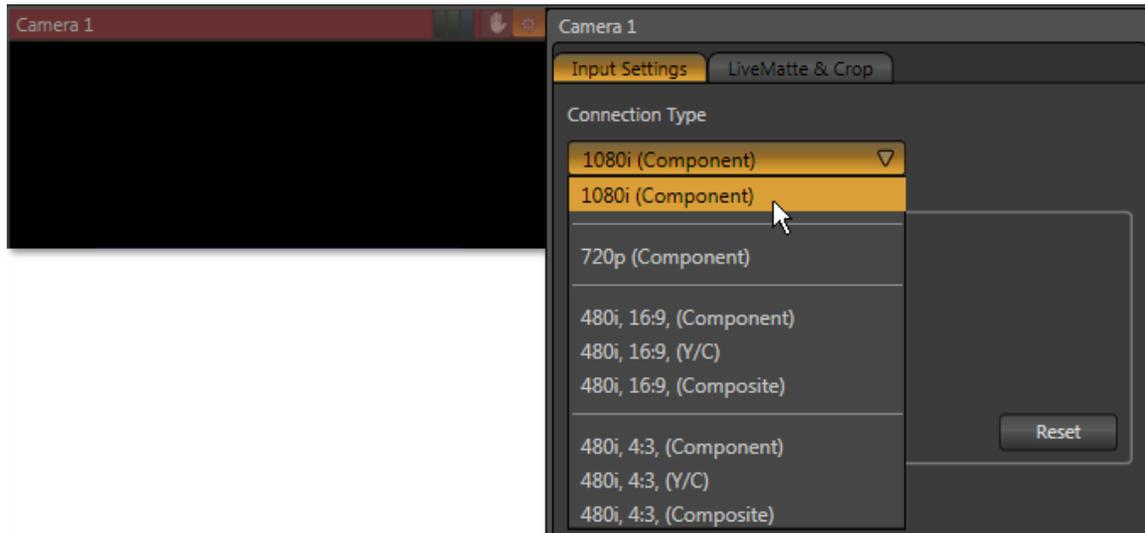
### Optional Control Surface (sold separately)

TriCaster 40 supports an accessory control surface for hardware operation of live production functions, providing fingertip control for those that prefer to be hands-on.



## Configurable Video Inputs

Connect up to four cameras or video sources, mixing and matching connection types between Component, Composite and Y/C formats, and 1080i, 720p and 480i resolutions for video input.



## 14-Channel Video Switcher

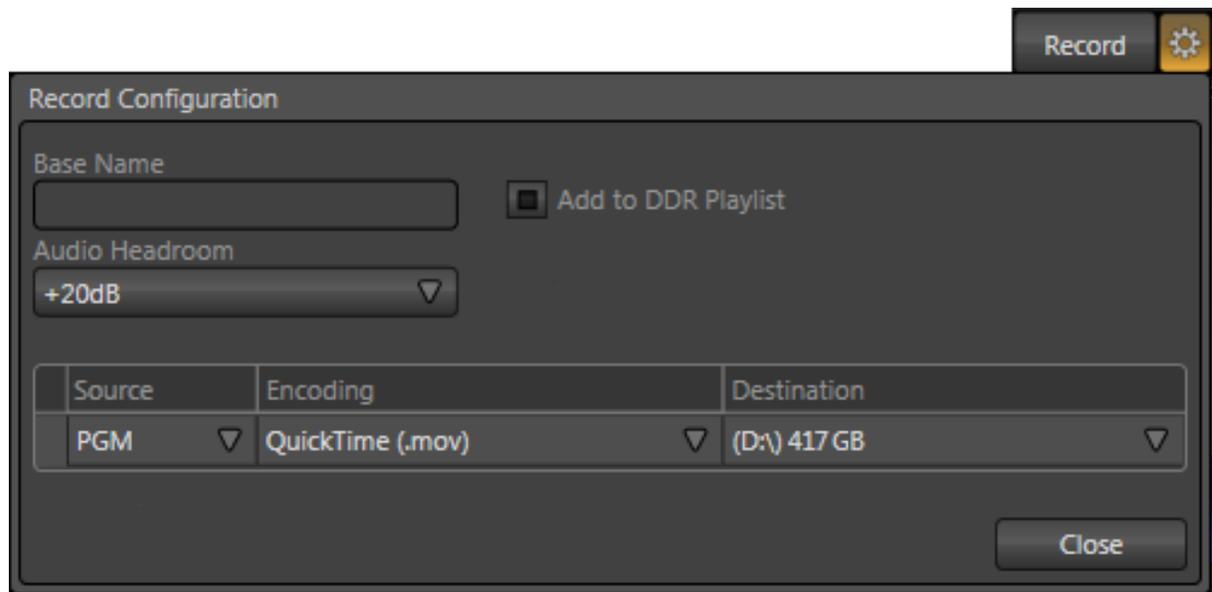
Create the look and feel of a professional show, choosing from among 14 different video channels. Change angles, sources and scenes by mixing live cameras with stored media, networked computers and iOS devices, virtual sets and composite effects.





## Built-In Recording

Capture full-length live productions or clips for playback—up to 20 hours of footage at full resolution. Video can be recorded in a high-quality, high-bitrate QuickTime format for archive or use in any non-linear editor, or recorded in Web-quality H.264 for immediate upload to social video sharing sites for video on demand (VOD) use.



### Try It

*Click the gear icon by the Record button, located beneath the large Preview monitor, to display the Record Configuration panel. You can choose the source to be recorded and the encoding format, as well as the capture destination. Once you have the desired settings, close the Record Configuration panel and then click the Record button to begin recording.*



## Live Virtual Sets

With a simple setup and minimal space, you can quickly transform any location into an elaborate virtual studio, with multiple camera angles, distinct set locations, and moving backgrounds. TriCaster 40 includes a number of virtual sets in a variety of styles and settings that require nothing more than a few square feet of green screen to place your talent into a lifelike, professional environment.



## Try It

Click the tab for Virtual Input 1 (V1) above the bottom-left pane of the User Interface. Click the gear icon next to the information line located beneath the tabs to display the Media Browser. You can then choose the virtual set and the angle to load into the Virtual Input. Once you have made your selection, close the Media Browser to return to the Live Desktop. Your set is now loaded in Virtual Input 1, with thumbnail images that provide a preview of virtual camera shots at the preset zoom levels, as well as placement of Input A (talent) and Input B (video) sources, where applicable. For more information about setting up virtual sets, including keying and positioning, please refer to the User Guide.

## **Networked Computer and Apple® AirPlay® Device Support**

Expand presentation and content possibilities for any show, by taking your computer, laptop, or wireless iOS device and making it available as a production source. TriCaster 40 lets you bring in social media pages, presentations, remote chats—even use your iPad or iPhone as a handheld video player—simply by connecting the device to the same network as TriCaster and following a few easy steps.



## **Try It**

*Connect the device to be used for video input to the same local network as TriCaster, and then follow these instructions according to the device type.*

*If a wireless iOS device, set the TriCaster to "Receive" the Apple AirPlay signal:*

- *In the TriCaster UI, mouse-over the preview monitor for a Network Input*
- *Click the arrow to open the drop-down menu and select "Receive"*
- *Tap the AirPlay icon on the iOS device and choose the TriCaster Network Input*

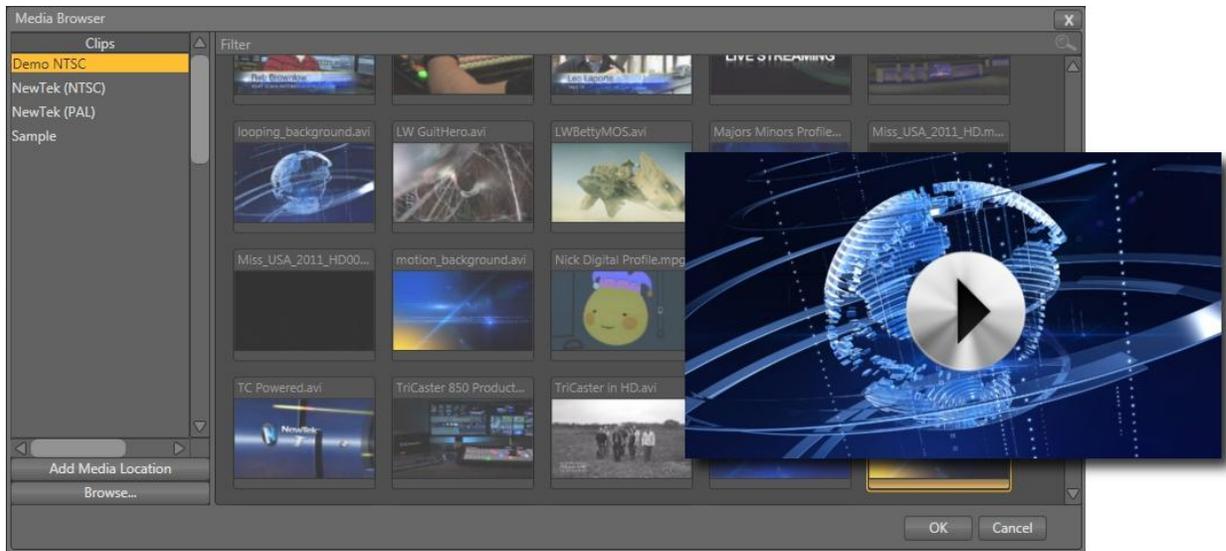
*If using a computer over the network:*

- *Load the included iVGA application on the computer and double-click to run it*
- *In the TriCaster UI, mouseover the preview monitor for a Network Input*
- *Click the arrow to open the drop-down menu and select the computer*

*For more information on using iVGA or Apple AirPlay to access network input sources, please refer to the User Guide.*

## **Clip Playback**

You can store pre-produced media in a wide variety of formats on the internal hard drive and add it to the DDR for live playback, making it easy to add video, images, motion graphics and animations to any program.



## Try It

*Click the tab for DDR above the bottom-left pane of the User Interface. Click "Add" at the bottom of the panel to open the Media Browser. Click on a thumbnail image to select a clip. Click "OK" to close the Media Browser and load the clip into the open playlist. Click on the clip in the playlist to select it, and then press the Play button located below to play the clip. Take the clip live by choosing the DDR button from the switcher.*

## **Titles and Graphics**

You can add titles, images and graphics to your show, importing your own original designs or choosing from a variety of included templates. Identify the person or video on-screen with a lower-third graphic, display a company logo or watermark in the corner, or call up scores and statistics for a sporting event.





### Try It

*Click the tab for Graphics 1 above the bottom-right pane of the User Interface. Click "Add" at the bottom of the panel to open the Media Browser. Click on a thumbnail image to select a title or graphic. Click "OK" to close the Media Browser and load the image file into the Graphics 1 bin. Click on the file in the bin to select it. Text in title templates can also be edited by clicking the gear icon located at the bottom-right of the image thumbnail.*

- To display the image as your primary source, choose the GFX 1 button from the switcher.*
- To apply the image as an overlay, mouse over the DSK 1 panel located to the right of the switcher, and select GFX 1 from the drop-down menu. Then press the Take or Auto button for DSK 1 to display the title or graphic on-screen.*

## We're NewTek.

We love TV and movies. And, we love the people who make them. Until recently, most people who created TV shows and movies to tell their stories were famous, or had a big pile of money to invest in a production. But today, virtually anyone can do it. All you need is an idea, some determination and a few NewTek tools to bring your creative vision to life.

At NewTek, our goal is to let people get their hands on the tools they need to make a "real" TV show—not just a funny YouTube clip or home movie from Dad's camcorder. We're talking full-on, HD broadcast television. That's right, you can make a show, deliver it live over the Web, and your fans can watch it anywhere they want—TV, computer, phone—anything that's connected. More than that, your show can have everything you love about TV and movies, like awesome visual effects and motion graphics. (Yes, you too can blow things up, and even make your own Death Star.)

You can even build a webcast network in your garage, start your own television channel, produce a live event, and stream it to all your Facebook fans. Discover ways to make money through online ads, sponsorships, or subscriptions. Bring home an Emmy® for the work you do. NewTek customers are doing all this, and more—and we've got their backs every step of the way.

Today, our mission is the same as when we started out. We believe that at some point in the near future, your favorite shows will be produced by someone you know. Maybe even you. The NewTek team continues to work at making it easy and really cost-effective for anyone to produce great television. Whether it's live production and streaming, slow motion and instant replay, motion graphics and visual effects—we make a range of tools to help get the job done.



## **About NewTek**

NewTek is transforming the way people create network-style television content and share it with the world. From sporting events, Web-based talk shows, live entertainment, classrooms, and corporate communications—to virtually any venue where people want to capture and publish live video, we give our customers the power to grow their audiences, brands and businesses, faster than ever before.

Clients include: "The X Factor," ESPN X Games, New York Giants, NBA Development League, Fox News, BBC, NHL, Nickelodeon, CBS Radio, ESPN Radio, Fox Sports, MTV, TWiT.TV, USA TODAY, Department of Homeland Security (DHS), and National Aeronautics and Space Administration (NASA).

NewTek is privately owned and based in San Antonio, Texas. For more information on NewTek please visit [www.newtek.com](http://www.newtek.com), [Twitter](#), [YouTube](#), or [Flickr](#) or connect with us on Facebook.