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ENGAGE YOUR STUDENTS AND EMBRACE YOUR COMMUNITY

*The Jigsaw24 guide to making the most
of video content with NewTek TriCaster*



It's time to teach your students how to share

Whether you're putting together news bulletins to make sure students know what's going on in their community, encouraging a strong pupil voice by giving students their own online platform or looking for a way to include remote learners in lessons, we reckon we can all agree on one thing: video is a fantastic way to communicate.

Unfortunately, all too often the fact that video content is cheap to make, easy to reuse, even easier to share and one of the formats most likely to get your audience to interact with you is ignored because it's, well, a bit intimidating to start broadcasting for the first time. Or at least, it was. But we're about to introduce you to NewTek TriCaster, and that's going to fix everything.

Read on to find out why you'll learn to love TriCaster and which model is right for you. If you have any questions or would like to see a demo, you can always get in touch with us on **03332 409 332** or at **TriCaster@Jigsaw24.com**.

Enjoy!

The Jigsaw24 team



What is NewTek TriCaster?

It's an all-in-one broadcast solution that lets you do three very important things with your video: record it to an internal hard drive, stream it live to the web, and share it with local displays. You can combine feeds from cameras, computer screens and other displays with graphics and even virtual sets (TriCaster's free chromakey toolkit is one of the most powerful we've ever encountered) to create professional standard footage, even if you're actually three people putting together a news bulletin in a broom cupboard.

How many cameras, channels and outputs you can support will depend on which model you choose, but it will work with practically any display and any camera with the right output, so you can probably save a bit of money by using it with your existing video kit. Wondering which model is for you? Read on for our breakdown of who's best suited to which, and some suggested setups for anyone who's caught a camera short.



How can we help?

We're Jigsaw24, and we've been supplying mission critical technology solutions to the UK's finest creative companies for over 20 years. Our books currently include 25,000 major corporate and creative customers (including the likes of the BBC and News International) and we help 1,300 schools, colleges and universities every month, so we've encountered just about every workflow and budget you can imagine. As well as having in-house experts on production, post, audio, VFX, networking, storage and infrastructure, we're the home of the UK's only NewTek Certified Operator, meaning we're officially the best place to come for TriCaster-related demos, consultancy and training. Get in touch on the details below to find out more!

For simple student news programmes and cross-curricular use... TriCaster 40

What is it?

NewTek's ultra-compact, entry level TriCaster, perfect for schools and those just getting started in live broadcast.

Who's it for?

- Schools who want a simple video solution that can move around the school and help you embed creative skills across the curriculum.
- Teachers or lecturers looking to record lessons for distance learners or as part of a flipped classroom.
- Any schools or colleges who want to save money by using their existing component cameras.
- Schools and colleges who have a digital signage system and want to deliver simple content

The pros

The smallest and most portable model, this TriCaster is great for cramped spaces, allowing you to create complicated virtual sets without needing much physical space. As with all TriCasters, one operator can do everything, or you can use control surfaces to split out tasks if you're working with a group. And while it only accepts component cameras, it's still delivering HD video at a great price and is perfect if you're mostly going to be working with VGA feeds.

The cons

You're limited to four cameras, and one audio input, as the 40 only accepts component inputs. **Read on to find out how scaling up to TriCaster 460 or 860 might help with this.**

Jigsaw24 recommends: NewTek TriCaster 40 with 3 JVC GY-HM150 camcorders - £8999 (£10,798 inc VAT). Education discount available.

Want to know more about your TriCaster options? Get in touch on the details below.



For media suites, student news and community events...

TriCaster 410, TriCaster 460 & TriCaster 860

What are they?

These models allow four or eight video cameras to be combined with graphics, transitions and pre-recorded footage to create a more complex, polished final product for streaming. You can even do basic post-production tasks like trimming clips, and an improved audio mixer means you'll have better sound quality - important if you're going to be doing outside broadcasts and may need to tweak your presenter's audio levels. The 410 and 460 can handle four cameras while the 860 can take eight, with both offering the highest quality, 32-bit floating point 4:4:4 video processing. They'll accept full HD video in both 1080i and 720p, along with SDI, Y/C, component and composite inputs, and the 460 and 860 support ISO recording.

Who are they good for?

- Creating complex student broadcasts with multiple feeds and outputs
- Anyone looking to deliver content to multiple locations (your intranet, your signage, your classroom iPad deployment) at the same time.
- Colleges and universities who are serious about giving their students experience of industry workflows, or who work with industry to produce professional content at their facilities.

The pros

Higher image quality and a broader range of cameras to choose from means that you can get more out of your existing kit. If you do buy cameras specifically for use with your TriCaster setup, you're going to find it far easier to set them up for other things if they're compatible with the 460 or 860. Plus there's now a NewTek iOS app that lets you transform your iPad into a remote audio mixer for your TriCaster so you can ensure you're getting the best quality sound. Best of all, the newly released 410, 460 and 860 bring holographic sets, hotspots (the ability for presenters to trigger events by pointing at different parts of the 'set') and social media integration to the TriCaster mid-range.

The cons

Well, neither is as portable as the 40, but both are really designed to be rack mounted.



Jigsaw24 recommends: NewTek TriCaster 410 - £8499 (£10,198.80 inc VAT). Education discount available.

This streamlined TriCaster model comes at a snip of the price of other models, and is streamlined to offer you only the tools you need for live delivery. If you don't need to record broadcasts, opting for the 410 is a great way to save without compromising on the number of inputs or quality of image you'll get, thanks to its four-camera support and HD-SDI connectivity. With 4 M/Es the 460 and 860 are more than capable of handling animations and effects, but be warned you can't publish them to buffers to free up DSKs.



Jigsaw24 recommends: NewTek TriCaster 460 - £20,599 (£24,718.80 inc VAT). Education discount available.

The Newtek TriCaster 460 lets you connect up to four cameras to cover an event on your own or with a team. Paired with a control surface, you get a hands-on connection to every source and function in this 14-channel live production kit. The 460 supports multi-definition video at up to 1080p and lets you stream live to the web at 720p - you can even AirPlay content to nearby iOS devices for maximum audience reach. Pair them with the JVC GY-HM600 for a budget studio camera that delivers excellent image quality and flexibility at a low price point.



Jigsaw24 recommends: NewTek TriCaster 860 (2DDRs, IsoCorder and TransWarp) & 4 JVC GY-HM750 bundle - £33,999 (£40,798.80 inc VAT). Education discount available.

TriCaster 860 is an easy to learn 22-channel switcher with a total of eight simultaneous HD or SD inputs, giving you the power of an OB van in a

box. Its internal memory can hold up to 32 hours of MPEG-2 recording and live HD streaming, so you deliver content constantly during major events. The lightweight JVC GY-HM750 is equally flexible, performing well in the studio or the field. And for when you're not using your TriCaster, it provides one of the fastest shoot to edit workflows in the market today, recording native SD and HD footage in read-to-edit formats.

Want to know more about your TriCaster options? Get in touch on the details below.

Call: 03332 409 332

Email: TriCaster@Jigsaw24.com

Visit: www.Jigsaw24.com



For universities and multi-site schools... **TriCaster 8000 v2**

What is it?

The biggest and best of the TriCaster range, able to handle anything a pro studio can throw at it and deliver the most diverse graphics and backdrops. The 8000 boasts a 24-channel switcher, amplified by eight fully re-entrant M/E rows, an on-board audio mixer and the best graphics capability of any TriCaster model, with a more diverse range of transitions, graphics and virtual backdrops available.

Who's it good for?

- Universities who want to keep up with the pros.
- Multi-site schools who want to share events or lectures across campus in realtime
- Anyone in need of a really powerful chroma key set up - this has one of the best we've seen.

Jigsaw24 recommends: Newtek TriCaster 8000 - £23,499 (£28,198.80 inc VAT). Education discount available. This can be completely customised to suit your setup. Get in touch to find out how.



The pros

With 24 channels, eight cameras, eight screen feeds, 1080p across the board and output to up to 14 channels simultaneously, the scale you can reach with the 8000 is massive. It's also where you'll be able to make the most of TriCaster's built in chromakeyer, virtual set builder and graphics tools. A software upgrade to take you to the new 8000 v2 is available free of charge. As well as frame sync to keep all your cameras co-ordinated, it gives you more internal storage and built-in failsafe redundancy in case anything goes wrong during live broadcast!



The cons

That extra power does come at a cost, but it's still far less than you'd pay for an OB van, though, which is what you'd usually need to deliver this calibre of content.



See how Babington Community College and the Leicestershire Badminton Association honed their skills with 3Play at www.Jigsaw24.com/babington-college-blog

And for instant replays... **NewTek 3Play**

What is it?

A staple of sports and events production, 3Play lets you select clips in a live feed for instant realtime playback, or to replay in slow motion for added drama.



Who's it good for?

Anyone dealing with live action events - it's found its niche in sports, where it's equally effective at getting you instant playback for a jumboscreen or creating slow motion clips for post-match analysis. We've also seen it work wonders at training facilities, where it lets coaches record footage of players and then instantly play it back in slow motion so that they can better critique specific players or techniques.



The pros

This is a professional system, so you'll get the best quality content no matter what level you're currently working at. And the whole thing is incredibly easy to learn (especially as we employ the UK's only NewTek Certified Operator and can provide excellent training), so you can be creating content in minutes.



The cons

There's a strong possibility you'll be seeing anything embarrassing you do in front of your class or team on repeat and in slow motion for the rest of your career.

Jigsaw24 recommends: Newtek 3Play 425 - £16,999 (£20,398.80 inc VAT). Education discount available.

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WHO'S USING NewTek TriCaster ??????



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