TriCaster™

PORTABLE LIVE PRODUCTION

NewTek
www.newtek-europe.com

WELCOME TO THE
TRICASTER™ FAMILY

There is a reason TriCaster is the standard in portable live production for major players like Fox Sports, MTV, Sky News, the BBC, VH-1, NBA D-League and the NHL, it is simply the most complete, reliable and efficient system available for live production and web streaming. The small footprint makes it possible to broadcast from literally anywhere and TriCaster is flexible enough to allow you to deliver live productions on your own or with a team. No matter where your live broadcast plans take you there is a TriCaster in the TriCaster family perfect for you.

With TriCaster, the power of portable live production is yours.

PRODUCE ANYTHING LIVE... ANYWHERE...

ON YOUR OWN... OR WITH A TEAM

TRICASTER USERS

TRICASTER **BROADCAST**

TRICASTER **STUDIO**

TRICASTER **PRO**

TRICASTER

TriCaster BROADCAST™

TriCaster BROADCAST™ with SDI support delivers efficiency and reliability. Whether you rely on a team or operate on your own, TriCaster BROADCAST makes it possible for you to deliver your network quality program to video, web stream and video projector with a full range of professional tools including six camera inputs, live virtual sets, character generator, multi-format file playout, over 200 DVEs, double box effects and much more.

Broadcasters, local TVs, radios, press groups, sports teams, schools and universities, corporations, institutions and many others have come to rely on the award-winning TriCaster for portable live production and live web streaming.

Live Switching of 6 SDI/analog cameras • Virtual Sets • 16:9 wide-screen and 4:3 support • Dual Digital Disk Recorders (DDR) playback • Keyable DDRs • Full CG with interactive templates • Flash Video® streaming, Live Windows Media® and VC1 Streaming • Simultaneous FLV or WMV and MPEG-2 program out recording • 200+ video transitions • Audio mixing • iVGA™ graphics import • Live keying • Waveform & vectorscope • Supports AVI, MPEG-2, QuickTime® and more • Also render output to DVD, iPod® and PSP®, WMV, FLV • Professional video editing • Optional slow motion/instant replay TimeWarp console • Optional LiveText software for remote CG

Video input	6 SDI 6 component (BNC) or 6 Y/C (over BNC) or 6 composite (BNC) Genlock in (BNC)
Video output	1 SDI 1 component (BNC) or 1 Y/C (over BNC) 1 composite (BNC)
Video preview output/aux/alpha	1 SDI 1 component (BNC) or 1 Y/C (over BNC) 1 composite (BNC)
Audio input	1 AES/EBU digital audio Embedded audio SDI (one input for capture) 4 balanced mic/line inputs (XLR or phone)
Audio output	1 AES/EBU digital audio 1 Embedded audio SDI 2 balanced line outs (phone) 2 unbalanced line outs (RCA) 1 stereo headphone out
Tally	6 Tally Light connectors
Video ingest	1 4-pin FireWire® IEEE 1394 1 6-pin FireWire® IEEE 1394
iVGA™ input	Shift between 3 iVGA networked laptops/computers client displays

TriCaster STUDIO™

With 6 component inputs TriCaster STUDIO™ is the ultimate portable production package, offering multiple upstream effects, advanced switching and virtual set support.
TriCaster STUDIO™ makes it possible for you to deliver your network quality program to video, web stream and video projector with a full range of professional tools including six camera inputs, character generator, multi-format file playout, over 200 DVEs, double box effects and much more.

Live Switching of 6 cameras • Virtual Sets • 16:9 wide-screen and 4:3 support • Dual Digital Disk Recorders (DDR) playback • Keyable DDRs • Full CG with interactive templates • Flash Video® streaming, Live Windows Media® and VC1 Streaming • Simultaneous FLV or WMV and MPEG-2 program out recording • 200+ video transitions • Audio mixing • iVGA™ graphics import • Live keying • Waveform & vectorscope • Supports AVI, MPEG-2, QuickTime® and more • Also render output to DVD, iPod® and PSP®, WMV, FLV • Professional video editing • Optional slow motion/instant replay TimeWarp console • Optional LiveText software for remote CG.

Video input	6 component (BNC) or 6 composite (BNC) 6 Y/C
Video output	2 component (BNC) 2 Y/C 2 composite (BNC)
Audio input	4 balanced mic/line inputs (XLR or phone)
Audio output	2 balanced line outs (phone) 2 unbalanced line outs (RCA) 1 stereo headphone out
Tally	6 Tally Light connectors
Video ingest	1 4-pin FireWire® IEEE 1394 1 6-pin FireWire® IEEE 1394
iVGA™ input	Shift between 3 iVGA networked laptop/computer client displays

TriCaster PRO™

TriCaster PRO™ provides a complete portable studio for the professional producer with the ability to mix component, composite and S-Video camera sources. Produce your show with network style virtual sets, balanced audio, an integrated character generator, broad file format support, increased storage and much more.

Broadcasters, sports teams, corporations, schools, media ministries and many others have come to rely on the award-winning TriCaster PRO™ for portable live production and live web streaming.

Live Switching of 3 cameras • Virtual Sets • 16:9 wide-screen and 4:3 support • One Digital Disk Recorders (DDR) playback • One Still Store • Full CG with interactive templates • Flash Video® streaming, Live Windows Media® and VC1 Streaming • Simultaneous FLV or WMV and MPEG-2 program out recording • 200+ video transitions • Audio mixing • iVGA™ graphics import • Live keying • Waveform & vectorscope • Supports AVI, MPEG-2, QuickTime® and more • Also render output to DVD, iPod® and PSP®, WMV, FLV • Professional video editing • Optional slow motion/instant replay TimeWarp console • Optional LiveText software for remote CG

Video input	3 component (BNC) 3 Y/C 3 composite (BNC)
Video output	1 component (BNC) 1 Y/C 1 composite (BNC)
Audio input	2 balanced mic/line inputs (XLR or phone) 1 stereo line in (RCA)
Audio output	1 stereo line out (phone) 1 stereo headphone out
Video ingest	1 4-pin FireWire® IEEE 1394 1 6-pin FireWire® IEEE 1394
iVGA™ input	Shift between 3 iVGA networked laptop/computer client displays

TriCaster™

TriCaster™ is a portable production system that makes it possible for you to simultaneously deliver your message to video, projector and web stream. At just under 10-pounds and the size of a shoe box you can take TriCaster anywhere. Hook up three cameras and live mix your camera sources with video from the TriCaster virtual VCR's using cut and fade transitions or any one of the 200+ video effects that come with the system. Your production can be complete and polished with opening titles, closing credits and graphics.

Live Switching of 3 cameras • 16:9 wide-screen and 4:3 support • One Digital Disk Recorders (DDR) playback • One Still Store • Full CG with interactive templates • Live Windows Media® and VC1 Streaming • WMV or MPEG-2 program out recording • 200+ video transitions • Audio mixing • iVGA™ graphics import • Live keying • Supports AVI, MPEG-2, QuickTime® and more • Also render output to DVD, iPod® and PSP®, WMV • Professional video editing • Optional slow motion/instant replay TimeWarp console • Optional LiveText software for remote CG

Video input	3 Y/C 3 composite (RCA)
Video output	1 Y/C 1 composite (RCA)
Audio input	2 unbalanced Mic inputs (phone) 1 stereo line in (RCA)
Audio output	1 stereo line out (RCA) 1 stereo headphone out
Video ingest	1 4-pin FireWire® IEEE 1394 1 6-pin FireWire® IEEE 1394
iVGA™ input	1 iVGA networked laptop/computer client displays

INTUITIVE INTERFACE

1 LIVE PRODUCTION SCREEN allows one-person control of an entire multi-cam production. Plug in up to six cameras, multiple audio sources, and go live with simultaneous feeds to video, projector and web stream. Add LiveText™ and TimeWarp™ capabilities to share the duties with a larger team.

2 LIVE VIRTUAL SETS give you the flexibility of expansive, professional sets even though your location may have limited space. With live multi-camera scaling, you can even show your talent in a wide shot without trucking to the back of the room.

3 ON-SCREEN MONITORS let you pick shots with confidence. Displaying cameras, video clips and computer input. TriCaster BROADCAST can run in six-camera mode with a shared preview monitor, or in three-camera ISO mode. TriCaster BROADCAST outputs either 4:3 or 16:9 aspects.

4 PREVIEW AND PROGRAM MONITORS lets you display any titles or dynamic transitions on-screen while showing you what source is next. The Preview monitor can also display waveform and vectorscope signals to ensure perfect signal quality before going live.

5 ADVANCED VIDEO SWITCHER gives you total control over all six SDI or component inputs. Select a live output on Next, and use either the on-screen T-bar or the optional LiveControl™ surface to transition easily from one source to another.

6 VIDEO TRANSITIONS add dynamics and impact to your production. Use any of the 200+ broadcast-quality transitions: cross-fades, wipes, pushes and 3D transitions.

7 LIVE TITLES gives you the broadcast look with graphics, titles and animated overlays on top of your live video. Assign a title or bug to a specific input with NewTek LiveMatte™. Employ LiveText™ for an additional operator to control titles during the show.

8 AUDIO MIXING with complete control over microphones, line inputs and clip playback levels, as well as adjusting input trim levels for the best possible audio. TriCaster BROADCAST also provides both AES and embedded digital audio for pristine audio.

9 PRODUCTION PANEL provides numerous tools to make your live production easier, such as adding new titles on the fly, arranging video clips or pictures to auto-play when selected from either VCR, selecting external computer graphics, color matching cameras, Auto-calibrating component cameras, setting up chroma keys and configuring record and live steaming options.

10 ONE-BUTTON WEB STREAMING allows you to push or pull a live stream directly to the web, with simultaneous archive for on-demand viewing. ONE BUTTON RECORDING captures your live production to the internal hard drive as a full-resolution video file. TriCaster BROADCAST allows you to simultaneously stream while recording up to 20 hours of full-resolution video and on-demand Windows Media clips.

"Incontestably the most "multi" of the multimediaswitcher in the market. It even does editing!" - Caméra Video

LIVESET™

NETWORK STYLE LIVE VIRTUAL SETS

Until now, virtual set technology has been complicated and expensive. LiveSet™ allows you to achieve the look of a sophisticated studio setting within a very small space without the need for external equipment because LiveSet is integrated into every TriCaster PRO™, TriCaster STUDIO™ and TriCaster BROADCAST™. With lights, a simple camera set-up, and a green or blue backdrop your on camera talent can be placed in any one of the LiveSet virtual sets. The proprietary technology in LiveSet makes it possible for you to have multiple camera angles and to change distance from close-up to midway and to a wide shot without having to move your cameras.

The virtual sets in LiveSet are designed with the Emmy® Award-winning LightWave 3D®. To create your own photo-realistic 3D virtual set environments there is LiveSet Generator™ for LightWave 3D. The free LiveSet Generator plug-in with LightWave 3D v9 makes it possible to create virtual sets to meet any production requirement.

To create simple LiveSet environments using your own foreground and background artwork or photography there is LiveSet Constructor™ freely available to registered owners of TriCaster PRO, TriCaster STUDIO and TriCaster BROADCAST.

TRICASTER ACCESSORIES

ON YOUR OWN
OR WITH A TEAM,
BOOST YOUR LIVE
PRODUCTION POWER

"The TriCaster brings industrial-strength live video mixing within the reach of most organizations."

- Studio Monthly

LIVECONTROL™

For a physical connection to each input during your live presentation, NewTek offers LiveControl™ with large, back-lit, easy-to-read buttons allowing for easy transition from one source to the next without looking down or using a keyboard or mouse.

All camera, picture, video, and network sources can be placed on either the Live or Preview row. Quickly choose your title, picture, or transition using the rotary dials. Use the T-bar to manually transition sources.

TIMEWARP™

Slow motion and instant replay are at your fingertips with TimeWarp™ connected to your TriCaster system. TimeWarp allows you to select, mark and playback clips at various slow motion speeds. Expand your team with a TimeWarp operator and you'll enjoy the freedom of instant replay while you continue to record your program. TimeWarp takes your sports and event production to a whole new level.

LiveText™

In fast-paced live productions, it often helps to share the workload, with one person switching sources while another creates titles. LiveText™ is remote titling and graphics software that runs independently on your laptop or other computer communicating directly with TriCaster during a live production. This allows the director to keep an eye on the shot and the graphics operator to focus on titles. Whether preparing a large number of titles in pre-production on a laptop off-site or making last-minute changes during the show, LiveText makes your production run fast and smooth.
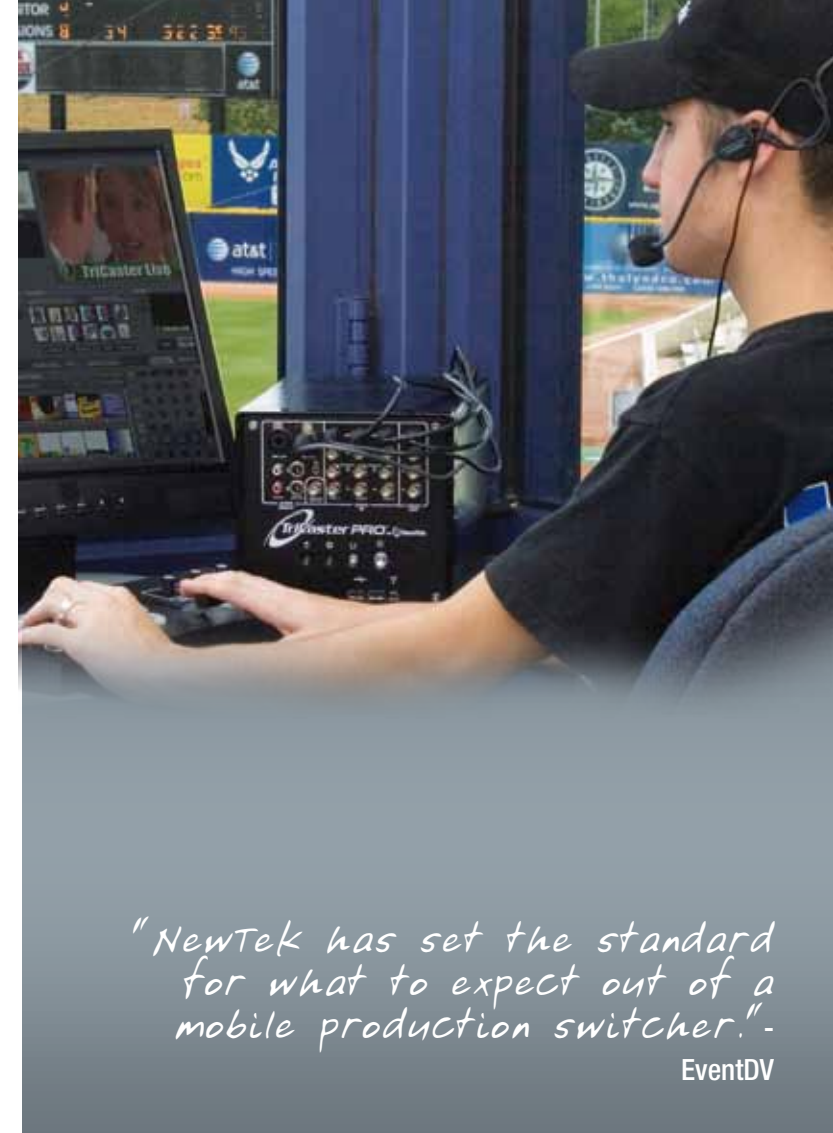
"NewTek has set the standard for what to expect out of a mobile production switcher."-
EventDV

DataLink™

DataLink™ allows you to import dynamically updated data such as scoreboards, news feeds and more into TriCaster™ to use with title graphics and text overlays.

DataLink can read input from almost any database, shared folders or xml files. DataLink instantly updates your TriCaster with accurate, immediate data and is compatible with existing scoring systems, including Daktronics scoreboards, WhiteWay, OES and IDS basketball feeds.

Liveset Pack™

Increase your production value with the addition of five new sports network style virtual sets, complete with both single and double presenter formats. Each set is easy to modify with a selection of color schemes and background elements.

Sports Graphics Pack™

Complete the look of your sports production with Sports Graphics Packs; each pack includes five graphic designs. These lower thirds, stats, scoreboards, borders and DVEs come with 12 individual templates for each sports design providing you with total flexibility to meet your game day production goals.

CARRYING AND PROTECTING YOUR TRICASTER™...

TRICASTER™ PROTECTOR CASE

This highly resistant watertight, crushproof, and dust proof case is designed for professionals needing mobility in any condition. Easy-open, double-step latches, open cell core with solid wall design - strong, light weight, o-ring seal, automatic pressure equalization valve, fold down handles, etc.

Size (interior dimensions): 55 x 42.2 x 26.8 cm (HWD)Max. Loading Force: 54,4 kg

Compatible within TriCaster STUDIO™, TriCaster BROADCAST™

Non contractual images

COMPARISON CHART

Feature	TriCaster™ 2.5 MS
Weight	4,5 Kg / 10 lbs.
Dimensions	29,2 D x 20,3 H x 19 W (cm) *(11.5 D x 8 H x 7.5" W)*
Video Inputs	3 Y/C or composite
Video Output	Y/C + composite
Multi-Standard [1]	Yes; PAL, NTSC 4.43 and 3.58
Virtual Set Support	No
Integrated Character Generator	Yes
On-screen Preview Monitors	Yes
16:9 Video Support	Yes
Projector Output	Yes; 4:3 and 16:9 aspects
Projector Resolutions	XGA, DVI and analog outputs
Camera Auto-Calibration	Yes
iVGA™ Network Import	Yes – 1 input
Live Web Streaming	Yes; push or pull Windows Media support
16:9 Streaming	Yes
Recorder	Yes; MPEG-2 or WMV
Recording Capacity	10 hours MPEG-2
DDR Playback	1 DDR, 1 still store
Mic Inputs	2 Phone
Line Inputs	1 RCA stereo
Line Outputs	1 RCA stereo pair
Preview Out	No
Vectorscope	No
Waveform Monitor	No
Phantom Power	No
Non-linear Editor	Yes
Upstream Effects	No
File Formats	AVI, DV, MPEG-2, QuickTime, HDV, JPG, PNG, and more ...
Render Outputs	AVI, DV, MPEG-2, DVD, QuickTime, MP4 (iPod and PSP)
Accessory Options [3]	LiveControl LC-8, TimeWarp, LiveText, DataLink
Computer Connectors	1 VGA - 1 DVI-D - Keyboard/Mouse PS/2 - 1 Ethernet - 6 USB 2.0 - 2 FireWire® - 1 Parallel

[1] *Outside of the USA NewTek ships Multi-Standard versions of TriCaster. In the USA TriCaster is also available in NTSC-only versions.*

	TriCaster PRO™ 2.5 MS	TriCaster STUDIO™ 2.5 MS	TriCaster BROADCAST™ 2.5 MS
	4,5 Kg / 10 lbs.	7,3 Kg / 16 lbs	7,3 Kg / 16 lbs
	29,2 D x 20,3 H x 19 W (cm) *(11.5 D x 8 H x 7.5" W)*	39,4 D x 21,6 H x 26,4 W (cm) *(15.5 D x 8.5 H x 10.4" W)*	39,4 D x 21,6 H x 26,4 W (cm) *(15.5 D x 8.5 H x 10.4" W)*
	3 component, Y/C or composite	6 component, Y/C or composite	6 SDI, component, Y/C or composite
	Component + Y/C + composite	Component + Y/C + composite	SDI + component, Y/C over BNC + composite
	Yes; PAL, NTSC 4.43 and 3.58	Yes; PAL, NTSC 4.43 and 3.58	Yes; PAL, NTSC 4.43 and 3.58
	Yes; virtual sets included	Yes; virtual sets included	Yes; virtual sets included
	Yes	Yes	Yes
	Yes	3-cam ISO previews or 6-cam shared preview	3-cam ISO previews or 6-cam shared preview
	Yes	Yes	Yes
	Yes; 4:3 and 16:9 aspects	Yes; 4:3 and 16:9 aspects	Yes; 4:3 and 16:9 aspects
	XGA, SXGA, QSXGA and higher; DVI and analog outputs	XGA, SXGA, QSXGA and higher; DVI and analog outputs	XGA, SXGA, QSXGA and higher; DVI and analog outputs
	Yes	Yes	Yes
	Yes – 3 inputs	Yes – 3 inputs	Yes – 3 inputs
	Yes; push or pull Windows Media with VC-1 and Flash streaming support	Yes; push or pull Windows Media with VC1 and Flash streaming support	Yes; push or pull Windows Media with VC-1 and Flash streaming support
	Yes	Yes	Yes
	Simultaneous MPEG-2 + WMV or FLV records	Simultaneous MPEG-2 + WMV or FLV records	Simultaneous MPEG-2 + WMV or FLV records
	10 hours MPEG-2	20 hours MPEG-2	20 hours MPEG-2
	1 DDR, 1 still store	2 DDRs, with alpha channel assignable to downstream key	2 DDRs, with alpha channel assignable to downstream key
	2 balanced (XLR or phone)	4 balanced (XLR or phone)	4 balanced (XLR or phone)
	2 XLR/phone [2] 1 RCA stereo pair	4 XLR/phone [2]	4 XLR/phone [2]
	2 balanced phone	2 balanced phone; 2 RCA	2 balanced phone; 2 RCA
	No	No	Yes, configurable as FX row output as well
	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Yes	Yes
	AVI, DV, MPEG-2, QuickTime, HDV, JPG, PNG, and more ...	AVI, DV, MPEG-2, QuickTime, HDV, JPG, PNG, and more ...	AVI, DV, MPEG-2, QuickTime, HDV, JPG, PNG, and more ...
	AVI, DV, MPEG-2, DVD, QuickTime, MP4 (iPod and PSP), FLV, WMV	AVI, DV, MPEG-2, DVD, QuickTime, MP4 (iPod and PSP), FLV, WMV	AVI, DV, MPEG-2, DVD, QuickTime, MP4 (iPod and PSP), FLV, WMV
	LiveControl LC-11, TimeWarp, LiveText, DataLink	LiveControl LC-11, TimeWarp, LiveText, DataLink	LiveControl LC-11, TimeWarp, LiveText, DataLink
	1 VGA - 1 DVI-D - Keyboard/Mouse PS/2 - 1 Mouse - 1 Ethernet - 6 USB 2.0 - 2 FireWire® - 1 Parallel	1 VGA - 1 DVI-D - Keyboard/Mouse PS/2 - 1 Mouse - 1 Ethernet - 10 USB 2.0 - 2 FireWire® - 1 Parallel	1 VGA - 1 DVI-D - Keyboard/Mouse PS/2 - 1 Mouse - 1 Ethernet - 10 USB 2.0 - 2 FireWire® - 1 Parallel

[2] *Inputs are selectable between line and mic impedance.*
[3] *The LC-11 will work with all upgraded models of TriCaster. There is an upgrade offer for RS-8 owners who wish to purchase LiveControl.*

NewTek

www.newtek-europe.com

HOT PRODUCTS 2007

COOL STUFF AWARD 2001

event DV BEST OF 2006 Editors' & Columnists' Picks

Editors' Pick

VIDEOGUYS.com ★★★★★ 2005 TOP 10

GovernmentVideo SALUTE 2005

2005 Emmy® Award Nominee for Outstanding Achievement in Advanced Media Technology

® N.A.T.A.S.

BYTE.com Media Lab's "Cold, Dead Fingers" Award

The 4EVER GROUP Event Videography Education & Resources EVENT VIDEO "PRODUCT INNOVATION" AWARD

NewTek TriCaster Best of Show NAB 2005 Church Media Market

READERS' CHOICE NOMINEE 2007

TV TECHNOLOGY

VM NAB 2006 AWARD FOR INNOVATION IN MEDI

studio monthly "Hot" rating

Videomaker Best Products 2005

ComputerGraphics WORLD Editor's Pick NAB 2005

DEMO@15! PRODUCER'S PICK