TRIA+

Today’s live production environments demand cost-effective playback of video, key and audio content. Tria+ is the ultimate production server that provides the flexible, feature-rich, multi-channel capability you need to deliver compelling live programming.



Cena:
Kategorie: Video, Broadcast, Serwery playout



OPIS

Channel Flexibility

Create your ideal configuration. Tria+ offers 4, 8, or 12 symmetrical video channels – meaning every channel is instantly switchable between record and play.

Simple File Management

Integrated media file import and export tools dramatically streamline file-based workflows. Files are automatically matched to production format on import and the export process features a variety of user-defined parameters.

File & Format Diversity

Compatible with the spectrum of resolutions and formats, including Ultra HD-4K, HD and SD. A wide variety of the most popular self-contained media files can be imported and exported with ease.

Single Clip Workflow

Tria+ “video+key+audio” (VKA) architecture unifies these three media elements into a single clip. This dramatically simplifies clip management, import/export, and live playout control.

Intuitive Operations

An uncluttered and intuitive display of transport controls and real-time monitoring for each video channel. Control software can also be operated from any Windows-based computer on the local network.

Content Sharing

Quickly and easily share media clips between any number of Tria+ production servers interconnected via Gigabit or 10-Gigabit Ethernet. No matter where a given clip is stored—any clip can be played back in real-time.

Features

Record & Play

Tria+ servers can be configured with 4, 8 or 12 symmetric video channels – which means every video channel can instantly switch between record and play operations.

VKA Architecture

Combining video+key+audio into a single clip streamlines your entire production workflow.

Media Import & Export

Tria+ production servers come standard with integrated media file import and export tools, which dramatically streamlines your file-based workflows.

Multi-Server Content Sharing

The integrated clip networking feature permits operators to quickly and easily share media clips between any number of Tria+ production servers interconnected via Gigabit or 10-Gigabit Ethernet.

Wide-Ranging Control

Reduce costs and simplify production workflows with a variety of available network and direct control interfaces.

Protected Media Storage

To provide you complete peace of mind, Tria+ production servers come with dual-redundant, hot-swappable power supplies, along with hot-swappable chassis fans and media disk drives.

Unique Codec Features

Tria+ servers fitted with AVC-Intra and JPEG-2000 video hardware provide unique operational features that are great for a variety of production applications:

Software Transcoder Import – AVC-Intra & JPEG-2000
The Software Transcoder imports media files without the use of a video channel, allowing you to dedicate all your server’s channels to live recording and playout tasks.

Growing File Export – AVC-Intra
This powerful feature can be deployed while capturing one or more live video sources. It works by writing a continuously growing MXF media file for each live recording stream onto external network attached storage (NAS) – including one of the affordable Ross EVO Signature Series storage solutions. From there, edit systems capable of editing with growing source files can begin using these files, even while live capture is still underway. This streamlined live editing workflow save both time and money; and gets your finished productions to air faster than ever before!

Specification

FEATURES	
4, 8 or 12 symmetrical HD/SD video channels (each channel can record or play)	+
1080p 3G I/O with no channel count reduction (AVC-Intra only)	+
Up to three Ultra HD 4K channels (AVC-Intra only)	+
Sophisticated playlist operation with advanced playout features	+
Timecode Chase clip lists, with precise playout dictated by incoming LTC	+
Real-time clip sharing via Gigabit and 10-Gigabit Ethernet networks	+
Integrated media file import/export tools	+
Growing File Export of MXF files from multiple input capture (AVC-Intra only)	+
VANC record & file import preserves timecode & closed-captioning	+
Integrated Tria Explorer GUI and Quad-Viewer HD-SDI output	+
DashBoard and Tria Ethernet API for programming of custom control interfaces	+
Media disk array with RAID5 or RAID-6 parity protetction and dozens to hundreds of hours of storage at 100Mb/s	+
SSD System Disk with Windows-10 Enterprise O/S	+
Hot-swap, dual redundant power supply	+

SUPPORTED VIDEO FORMATS

Native Video Codec:	Chooose Tria+ model with one native recording & playout video codec: AVC-Intra model: HD@100Mb/s & 200Mb/S | UHD-4K@800Mb/s DVCPro-HD model: SD@50Mb/s | HD@100Mb/s JPEG-2000 model: SD & HD @ 15Mb/s to 200Mb/s
Ultra HD 4K Video:	**2160p** /50 /59.94 (AVC-Intra only)
HD Video:	**1080p** /50 /59.94 (JPEG-2000 | AVC-Intra)* **1080psf** /23.98 (JPEG-2000) **1080i** /50 /59.94 **720p** /50 /59.94
SD Video:	**525i** /59.94 (JPEG-2000 | DVCProHD) **625i** /50 (JPEG-2000 | DVCProHD)

CHASSIS PHYSICAL & ELECTRICAL

Dimensions:	3RU Height / Depth = 25/6 in (65.1 cm) / Rackmount Slides included
Maximum Weight:	75 lbs. (34 kg)
Maximum Power:	<500 Watts / 100-240 VAC / 50-60Hz (Auto-sensing power input)

SAFETY & EMISSIONS

TUV	+
FCC Class	+

SAFETY & EMISSIONS

CE	+

ANALOG REFERENCE INPUT

Tri-level HD or Composite Analog SD; Terminating	75Ω (1) Female BNC*

** For Tria+ servers featuring AVC-Intra video hardware: These are “High-Density BNC’s”; with adapter cable to “Standard Female BNC’s” provided.*

DIGITAL VIDEO INPUT

Ultra HD 4K & 1080p Video (Only with AVC-I):	HD-SDI SMPTE 424M Level A (10-bit at 3.0 Gb/s) (4), (8) or (12) Female BNC*
HD Video:	HD-SDI SMPTE 292M (10-bit at 1.5 Gb/s) (4), (8) or (12) Female BNC*
SD Video:	SD-SDI SMPTE 259M (10-bit at 270 Mb/s) (4), (8) or (12) Female BNC*

** For Tria+ servers featuring AVC-Intra video hardware: These are “High-Density BNC’s”; with adapter cable to “Standard Female BNC’s” provided.*

DIGITAL VIDEO OUTPUTS

Ultra HD 4K & 1080p Video (Only with AVC-I):	HD-SDI SMPTE 424M Level A (10-bit at 3.0 Gb/s) (4), (8) or (12) Female BNC*
HD Video:	HD-SDI SMPTE 292M (10-bit at 1.5 Gb/s) (4), (8) or (12) Female BNC*

DIGITAL VIDEO OUTPUTS

SD Video:	SD-SDI SMPTE 259M (10-bit at 270 Mb/s) (4), (8) or (12) Female BNC*

** For Tria+ servers featuring AVC-Intra video hardware: These are “High-Density BNC’s”; with adapter cable to “Standard Female BNC’s” provided.*

DIGITAL AUDIO INPUTS

AES Digital Audio	8- or 16-tracks TASCAM/AES-59 Tria+ 4CH=(1) | Tria+ 8CH/12CH=(2) F-DB25 *(TASCAM breakout cable not included)*
Embedded in Ultra HD 4K & 1080p Video (Only with AVC-I):	Embedded in all 3G HD-SDI video inputs 8-tracks (4 stereo pairs); 48kHz at 24-bits (16-tracks w/software option)
Embedded in HD Video:	Embedded in all HD-SDI video inputs 8-tracks; 48kHz at 24-bits (16-tracks w/software option)
Embedded in SD Video:	Embedded in all SD-SDI video inputs 4-tracks; 48kHz at 20-bits
AES Digital Audio:	8- or 16-tracks Tascam Digital / AES59-2012 Tria 4CH = (1) or Tria 8CH = (2) Female DB25 *(TASCAM breakout cable not included)*

DIGITAL AUDIO OUTPUTS

AES Digital Audio	8- or 16-tracks TASCAM/AES-59 Tria+ 4CH=(1) | Tria+ 8CH/12CH=(2) F-DB25 *(TASCAM breakout cable not included)*
Embedded in Ultra HD 4K & 1080p Video (Only with AVC-I):	Embedded in 3G HD-SDI video outputs 8-tracks; 48kHz at 24-bits (16-tracks w/software option)
Embedded in HD Video:	Embedded in HD-SDI video outputs 8-tracks; 48kHz at 24-bits (16-tracks w/software option)
Embedded in SD Video:	Embedded in SD-SDI video outputs 4-tracks; 48kHz at 20-bits (video channels only)
AES Digital Audio:	8- or 16-tracks Tascam Digital / AES59-2012 Tria 4CH = (1) or Tria 8CH = (2) Female DB25 *(TASCAM breakout cable not included)*

QUAD-VIEWER & MULTI-VIEWER DIGITAL VIDEO OUTPUTS

HD Video (Only):	HDI-SDI SMPTE 292M Quad-Viewer output 4CH: (1) | 8CH: (2) | 12CH: (3) Female BNC*

QUAD-VIEWER & MULTI-VIEWER DIGITAL VIDEO OUTPUTS	
SD & HD Video:	Multi-Viewer on desktop Tria Explorer graphical user interface HDMI, DisplayPort & Mini DisplayPort *(1920×1080 native resolution display required)*
ANALOG AUDIO MONITORING OUTPUT	
Unbalanced, line-level at: –10 dBV 2-Tracks (1 stereo pair) / Selectable to monitor any video channel output stereo pair	Tria+ 4CH: (1) | Tria+ 8CH: (2) | Tria+ 12CH: (3) Female 3.5mm +
ANALOG LTC INPUT	
LTC Input (Time of Day), unbalanced	(1) Female XLR
DATA / CONTROL	
RS-422: Sony; VDCP; & Odetics protocols (M-RJ45 to F-DB9 adapters included)	(4) or (8) Male RJ45 with Female DB9 Adapters
DisplayPort & Mini DisplayPort	*(1) F-DEP / (1) F-mDP* *(1920×1080 native resolution display required)*
HDMI Output	(1) Female HDMI *(1920×1080 native resolution display required)*
Gigabit Ethernet (10-T / 100-T / 1000-T) with AMP & Louth VDCP control protocols	(1) Female RJ45
10-Gigabit Ethernet (10-T/100-T/1000-T/10K-T) with AMP, VDCP & Tria protocols	(1) Female RJ45
USB 2.0 / USB 3.0 / USB 3.1	Female USB-A
USB-C Type-C	Female USB Type-C

DATA / CONTROL	
QWERTY Keyboard & Mouse set (included with each Tria+ server)	USB-A