TRIA NEWS

News Playout Server

PRESENT NEWS STORIES WITH CONFIDENCE
Get your late-breaking news stories on-air quickly and effectively with Tria News and the Ross newsroom ecosystem. Tria News is designed precisely for today's rapid-fire live television newsroom environments—optimized to efficiently ingest and confidently playout native-codec media files from four independent PGM playout channels. With Tria News, precious time is no longer wasted waiting around for media file transcoding—you can now get your news to air faster than ever before! Tria News can not only playout native-codec media files, it can also flexibly play news clips directly from a central NAS—or from internal SSD media storage.

ROSS NRCS AUTOMATION INTEGRATION
Ross Inception News™ newsroom editorial management system, coupled with both Ross OverDrive™ playout automation and Ross Streamline™ media asset management provide a seamless and comprehensive workflow for: organizing news media assets; creating and managing run-down playlists; and for presenting news story playout from the Tria News server. This wide-ranging Ross newsroom ecosystem utilizes well established and field proven MOS newsroom processes—providing you reliable and worry-free live operations.

Tria News features both gigabit Ethernet and RS422 ports which support industry-standard control protocols. During live news programs, clip load and playout operations from the four PGM output channels can be directed not only from the Ross NRCS—but from practically any external automation system.

PRESENT LIVE NEWS STORIES WITH CERTAINTY
- Predictable and precise clip playout during live news shows
- Built upon robust and proven Abekas hardware server platform
- Built-in graphical user interface with live video windows, clip management and run-down playlists

CONNECTIVITY IS COVERED
- Four PGM output channels; one channel featuring an input for baseband ingest
- Built-in Media File Export tools to export captured baseband content
- 8-track Embedded audio I/O on every video channel
- 8-track AES audio I/O with built-in Audio Router
- Gigabit Ethernet for external automation control & NAS media playout

STRESS-FREE LIVE NEWS PLAYOUT
When driven by external newsroom automation, Tria News can be directed to play news clips straight from your central NAS—as well as to host a mirrored copy of these clips on an SSD inside the Tria News server. Therefore, if either automation or the NAS experiences a failure during a live show, news stories can be manually played out from the Tria News server, using its intuitive graphical user interface—which features its own run-down playlist and active video panes.

LIVE RECORDING WITH CLIP TRIMMING
Tria News can quickly and easily capture live content from sources such as satellite feeds; remote feeds; switcher program output; or from any video feed, for that matter. This baseband recording provides you with greater operational flexibility within your live newsroom productions.

After ingesting baseband content, heads and tails of these clips can be easily removed using built-in clip trimming tools. In addition, several shorter "child" clips can be created and trimmed from a single long "parent" clip—with each child clip having its own identity. This feature allows you to use the Tria News server as a "fast and simple" clip editor for content ingested from the baseband input. All this clipped and trimmed baseband content can also be efficiently exported from Tria News as media files.

ROSS®
LIVING LIVE!

TRIA NEWS

SUPPORTED VIDEO FORMATS	
BASEBAND INGEST	DVCPRO@50Mb/s (SD); DVCPRO-HD@100Mb/s
NATIVE MEDIA FILES	MPEG HD422 (XDCAM 50) MXF and AVC-Intra 50 MXF
HD-SDI VIDEO	1080i /59.94 /50 • 720p /59.94 /50
SD-SDI VIDEO	625i /50 • 525i /59.94

MEDIA STORAGE CAPACITY
9-hours (HD 1080i @ 50Mb/s)

DIGITAL VIDEO INPUT.....(1) FEMALE BNC	
HD VIDEO	HD-SDI SMPTE 292M (10-bit at 1.5 Gb/s)
SD VIDEO	HD-SDI SMPTE 259M (10-bit at 270 Mb/s)

EMBEDDED DIGITAL AUDIO INPUTS	
EMBEDDED IN HD VIDEO INPUT	Embedded in HD-SDI Video Input: 8-tracks, 48kHz at 24-bits
EMBEDDED IN SD VIDEO I/O	Embedded in SD-SDI Video Input: 4-tracks, 48kHz at 20-bits

DIGITAL VIDEO OUTPUTS.....(4) FEMALE BNC	
HD VIDEO	HD-SDI SMPTE 292M (10-bit at 1.5 Gb/s)
SD VIDEO	HD-SDI SMPTE 259M (10-bit at 270 Mb/s)

EMBEDDED DIGITAL AUDIO OUTPUTS	
EMBEDDED IN HD VIDEO OUTPUT	Embedded in all HD-SDI Video Outputs: 8-tracks, 48kHz at 24-bits
EMBEDDED IN SD VIDEO OUTPUT	Embedded in all SD-SDI Video Outputs: 4-tracks, 48kHz at 20-bits

AES DIGITAL AUDIO INPUTS & OUTPUTS.....(1) FEMALE DB25	
AES DIGITAL AUDIO INPUTS	8-tracks on TASCAM/AES59-2012 — All assigned to single Video Input (TASCAM breakout cable not included; purchased separately from third-party vendors)
AES DIGITAL AUDIO OUTPUTS	8-tracks on TASCAM/AES59-2012 — User-Assignable across four Video Outputs (TASCAM breakout cable not included; purchased separately from third-party vendors)

ANALOG AUDIO MONITORING OUTPUT.....(1) FEMALE 3.5MM
Unbalanced, line-level at: -10 dBv
2-Tracks (1 stereo pair) / Selectable to monitor any video channel output stereo pair

ANALOG REFERENCE INPUT.....(1) FEMALE BNC
Tri-level HD or Composite Analog SD: Terminating

DATA / CONTROL	
RS422 with: Sony; VDCP; & Odetics protocols	(2) Female DB9
Monitor with 1920x1080 native resolution is required for user interface:	• USB-C Output.....(1) Female USB-C • DVI Output.....(1) Female DVI-D • HDMI Output.....(1) Female HDMI • VGA Output.....(1) Female D15
Gigabit Ethernet with: AMP; VDCP; & Tria Native API protocols	(1) Female RJ45
100/T Ethernet with: AMP; VDCP; & Tria Native API protocols	(1) Female RJ45
USB 2.0 Hi-Speed “Series A” Receptacle	Female USB-A
USB 3.0 Super-Speed “Series A” Receptacle	Female USB-A
QWERTY Keyboard & Mouse set (included)	Female USB-A

CHASSIS PHYSICAL & ELECTRICAL	
DIMENSIONS	2RU Height / Depth = 16.0 in (40.6 cm) / Rackmount Slides included
MAXIMUM WEIGHT	<30lbs. (13.6 kg)
MAXIMUM POWER	<155 Watts / 100-240 VAC / 50-60Hz (Auto-sensing power input)

SAFETY & EMISSIONS		
• TUV	• FCC Class A	• CE

ROSS® LIVING LIVE!