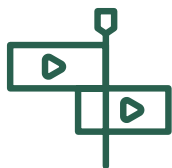# Redefining replay.

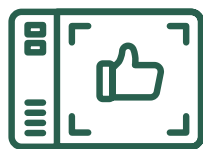A whole new user experience on a field-proven server platform.

Whether you're a seasoned pro or just starting out, Ross' Sports Replay Solution combines a trusted (Mira) server platform with a new operator-designed panel (Rio Replay), and powerful software suite. It's built to perform under pressure, letting you focus on the game instead of the tech.

With its familiar, operator-led design, you can work fast and with confidence – instinctive control when it matters most.

Rio Replay

Better storytelling
Capture every moment in stunning quality and quickly surface the key plays that matter, keeping you focused when every second counts.
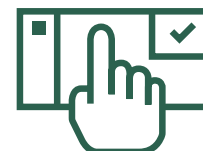
Familiar and intuitive
Designed with real-world operators, Rio Replay delivers fast, precise control for effortless storytelling and captivating visuals.

Built to grow
Versatile and affordable, Rio Replay adapts to any workflow – from REMI to hybrid – helping your productions scale and your fans stay engaged.

Operator-centric design
A sleek, space-saving panel with tactile buttons, programmable displays, and a responsive jog wheel and T-Bar that put your existing skills to work instantly.

Fully loaded features

Handle more angles, more moments, and more storytelling with up to 12 channels in any in / out configuration, including super slow-motion support with no need to pay for an additional licence. This is the new standard for our Sports Replay Solution.

Low latency encoding

Engineered for performance and versatility when timing is everything, the system supports 10-bit HDR, from 23.98 up to 60 FPS, with high-efficiency encoding with AVC-Intra Class 100.

Robust SSD storage

Up to 480 hours of HD, supported by robust SSD RAID-6 storage for reliability and performance.

More channels, fewer compromises

Compact, cost-effective, and built for professional high performance. Ideal for in-venue replays, game broadcasts, and training the next generation of sports production talent.
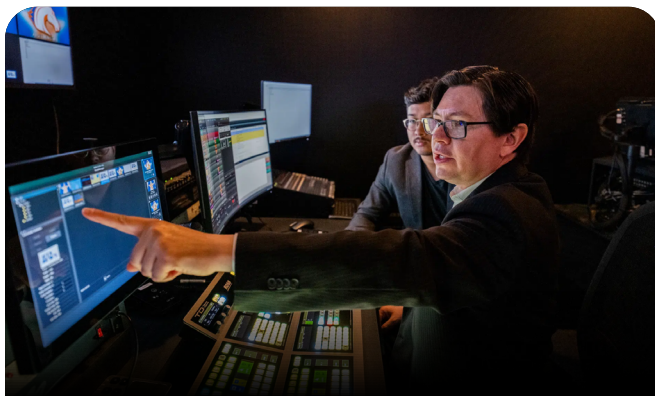
Real-time sharing

Effortlessly move content across platforms and editors. Enjoy ultra-fast exports and smooth imports via watch folders or network mounts—getting your story out there, fast.
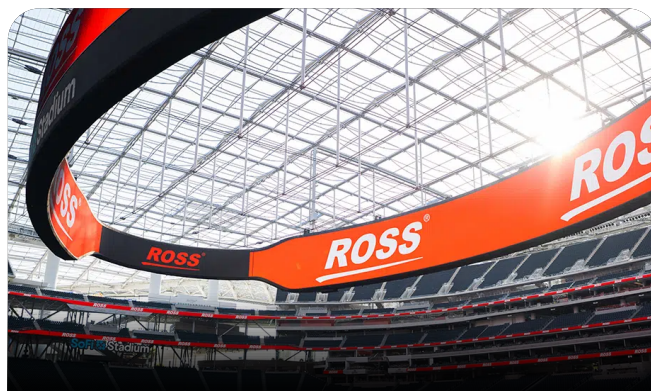
ROSS

Ready for every environment

Built for fast, intuitive control and for keeping up with the speed of live sports. With efficiency and adaptability at its core, it delivers premium storytelling tools in a compact, energy-efficient system— all at a competitive price.

Schools and College

Compact, cost-effective, and built for professional high performance. Ideal for in-venue replays, game broadcasts, and training the next generation of sports production talent.

Stadiums and Arenas

Flexible configurations for multi-camera HD and 1080p productions, replay, playout, and key fill transitions playback, seamlessly integrating with your Ross ecosystem and 3rd party setups.

OB Trucks

Compact 3U design, multi-camera ingests or super slow-motion at a fraction of the cost. Always in 1080p HDR and a powerful choice for high-performance mobile production.

Broadcast networks

Industry-leading performance with pristine 10bit HDR quality. The Mira server supports demanding live workflows, with the flexibility, speed, and reliability operators need under pressure—ready for evolving production demands.

Rio Replay

Rio Replay Panel

Precision at your fingertips

Designed for speed and ease of use, the Rio Replay control panel gives operators the confidence to deliver under pressure. Minimum retraining, maximum results!

- ◆ Ease of use – familiar and intuitive design with minimal learning curve
- ◆ Powerful processing – faster response times
- ◆ Custom RGB tactile buttons for precision control
- ◆ LCD touch display for errorless operation

Technical Specifications

Hardware specifications

Hardware Specifications	Rio Replay Panel
Operating system	Linux Ubuntu
CPU	AMD Ryzen™
Ambient Temperature Range	Operating: 0 – 40°C (32 – 104°F) Storage: -20 – 85°C (-4 – 185°F)
Input Voltage	100 – 120V~, 200 – 240V~, 47 – 63Hz Internal Power Supply

ROSS

Hardware specifications

Hardware Specifications	Mira 3G Server
VIDEO CARD CONFIGURATIONS	Mira Replay 3G Server
2 Video Card Configuration	2 video cards 8ch Bi-Directional HD/1080p Replay - Any IN OUT configuration
3 Video Card Configuration	3 video cards 12ch Bi-Directional HD/1080p Replay - Any IN OUT configuration
MEDIA STORAGE OPTIONS	Mira Replay 3G Server
Media Storage – Option 01	15TB SSD @RAID-5 = 240-Hours in 720p/1080i @100Mb/s = 120-Hours in 1080p @200Mb/s
Media Storage – Option 02	30TB SSD @RAID-5 = 480-Hours in 720p/1080i @100Mb/s = 240-Hours in 1080p @200Mb/s
VIDEO AND AUDIO	Mira Replay 3G Server
Native recording codec	AVC Intra Class 100 (10-Bits with WCG & HDR Support)
Supported video standards	720p /50 /59.94 1080i /50 /59.94 1080p /23.98 /24 /25 /29.97 /30 /50 /59.94 /60
Analog reference input	Tri-level HD | Composite Analog SD Black-Burst Female HD-BNC* 75Ω
Digital video inputs / outputs	HD Video: 720p | 1080i HD-SDI SMPTE-292M (1.5 Gb/s @ 10-Bits) Embedded Digital Audio (14-Tracks | 48kHz @ 24-bits)
	HD Video: 1080p HD-SDI SMPTE-424M (3.0 Gb/s @ 10-Bits) Embedded Digital Audio (14-Tracks | 48kHz @ 24-bits)
Aes digital audio input/output	IN - 16 Mono Tracks (8 Stereo Pairs) OUT - 16 Mono Tracks (8 Stereo Pairs) TASCAM DIGITAL / AES-59 (48kHz @ 24-bits) 2 x Female D25 (Breakout Cables NOT included)
Analog LTC input	LTC Unbalanced SMPTE-12M / Time of Day Timecode Female XLR
DATA / CONTROL	Mira Replay 3G Server
Computer Display Ports	4 x Female Mini DisplayPort
RS-422 Ports Protocols: VDCP / Louth VDCP / Odetics	8 x Female RJ45 Via included Octal BreakoutCable with 'Male RJ45 to Female D9' adapters
USB ports	5 x USB 3.0 Type-A - Rear 1 x USB 3.1 Type-C - Rear 1 x USB 3.1 Type-A - Front
CHASSIS PHYSICAL & ELECTRICAL	Mira Replay 3G Server
Dimensions	3RU Standard Height & Width Depth = 25.6 in (651 mm) Rackmount Slide Kit Included
AC Power Requirements	Input AC Voltage Range (Auto-Sensing) • 100VAC–240VAC / 50Hz–60Hz Input AC Power Consumption • @ 100–127VAC = 12A–9A • @ 200–240VAC = 7.2A–6A
Safety & emissions	TUV FCC Class A CE