

Which Replay server is right for you?

Rio Replay is available with two server options to match your production requirements.

Hardware specifications



Video Card Configurations	Mira 3G Replay Server	Rio XL - UHD Replay Server
2 Video Cards Configuration	8ch Bi-Directional HD / 1080p Replay - Any IN OUT configuration	1080i / 1080p 8ch IN / 8ch OUT Replay UHD 2ch IN / 2ch OUT
3 Video Cards Configuration	12ch Bi-Directional HD / 1080p Replay - Any IN OUT configuration	1080i / 1080p 12ch IN / 8ch OUT Replay UHD 4ch IN / 2ch OUT 6ch OUT
4 Video Cards Configuration	N/A	1080i / 1080p 16ch IN / 8ch OUT Replay UHD 6ch IN / 2ch OUT 4ch IN / 4ch OUT
Media Storage Options	Mira 3G Replay Server	Rio XL - UHD Replay Server
Option – 01	15TB SSD @RAID-5 = 240-Hours in 720p / 1080i @100Mb/s = 120-Hours in 1080p @200Mb/s	15TB SSD @RAID-5 = 240-Hours in 720p / 1080i @100Mb/s = 120-Hours in 1080p @200Mb/s = 40-Hours in 2160p @600Mb/s
Option – 02	30TB SSD @RAID-5 = 480-Hours in 720p / 1080i @100Mb/s = 240-Hours in 1080p @200Mb/s	30TB SSD @RAID-5 = 480-Hours in 720p / 1080i @100Mb/s = 240-Hours in 1080p @200Mb/s = 80-Hours in 2160p @600Mb/s
Video and Audio	Mira 3G Replay Server	Rio XL - UHD Replay Server
Native Recording CODEC	AVC Intra Class 100 (10-Bits with WCG & HDR Support)	HD - XAVC-I Class 100 (10-Bits with WCG & HDR Support) UHD - XAVC-I Class 300 (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	1080i 50 / 59.94 1080p 50 / 59.94 UHD 50 / 59.94
Reference Input	Tri-level HD Analog SD Black-Burst Female HD-BNC* 75Ω	Tri-level HD 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: 1080i HD-SDI SMPTE-292M (1.5 Gb/s @ 10-Bits) Embedded Digital Audio (16-Tracks 48kHz @ 24-bits)
	HD Video: 1080p 3G-SDI SMPTE-424M (3.0 Gb/s @ 10-Bits) Embedded Digital Audio (14-Tracks 48kHz @ 24-bits)	HD Video: 1080p 3G-SDI SMPTE-424M (3.0 Gb/s @ 10-Bits) Embedded Digital Audio (16-Tracks 48kHz @ 24-bits)
	N/A	UHD Video: UHD 3840 x 2160 12G-SDI ST-2082 (12.0 Gb/s @ 10-Bits) Embedded Digital Audio (16-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)	N/A
Analog LTC Input	LTC Unbalanced SMPTE-12M / Time of Day Timecode Female XLR	LTC Unbalanced SMPTE-12M / Time of Day Timecode HD-BNC
Super Slow Motion	720p, 1080i, 1080p 2X, 3X, 4X, 6X, 8X	1080i & 1080p 3X, 4X, 6X, 8X

Data/Control	Mira 3G Replay Server	Rio XL - UHD Replay Server
Computer Display Ports	4 x Female Mini DisplayPort	4 x Female Mini DisplayPort
Ethernet	Dual 10G Ethernet Ports	Dual 10G Ethernet Ports Dedicated BMC LAN
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	2 x USB 2.0 Type-A - Rear 4 x USB 3.2 Gen 2 Type-A - Rear 1 x USB 3.2 Type-C - Rear 1 x USB 3.2 Gen 2 Type-C - Rear 1 x USB 3.2 Type-C - Front
Chassis Physical & Electrical	Mira 3G Replay Server	Rio XL - UHD Replay Server
Dimensions	3RU Standard Height & Width Depth = 25.6 in (651 mm) Rackmount Slide Kit Included	3RU Standard Height & Width Height = 5.2 in (132 mm) Width = 17.2 in (437 mm) Depth = 25.5 in (647 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	Input AC Voltage Range (Auto-Sensing) • 100VAC–240VAC / 50Hz–60Hz Input AC Power Consumption • @ 100–127VAC = 15A–12A • @ 200–240VAC = 8.5A–7A
Safety & Emissions	TUV FCC Class A CE	TUV FCC Class A CE

