RIMOTION / RICAPTURE / VENUE GATEWAY
LIVE VIDEO PRODUCTION

RiMOTION R6 / R8 / R10 / R12 / R84
REPLAY FOR EVERYBODY

SIMPLY LIVE ▶
INSIDE

SEE IT.
LOVE IT.
REPLAY IT.

Slomo Touch UI

SUPER-SLOMO CAPABLE

Riedel RiMotion live replay solutions are the most intuitive and scalable options in the market, breaking with traditional concepts and bringing a modernized user experience to live replay.

Defined by a compact form factor and significant cost advantages, RiMotion represents the high quality and professional approach all our products are known for.

RiMotion solutions are available in five different bundles, so you'll find just the right one for your production. With RiMotion R6, R8, R10 and R12 you get to choose from 6 to 12 configurable channels for 4 to 10 camera inputs, while the R84 offers HDR and UHD support with options for 4 UHD channels and up to 8 1080p HDR channels.

Riedel RiMotion offers a pioneering solution combining extensive slow-motion capabilities, including super slow-motion (SSM) camera support, with Simplylive's acclaimed touchscreen UI approach.

The intuitive user interface that has become a landmark of the ViBox product range, has been further optimized for RiMotion. All features are concentrated in a clear and simple to use touchscreen interface, that even new users can learn to operate in minutes. Additionally, the system comes with a dedicated RCU slow motion remote controller (RCU), integrated with the touch UI. This allows the best operator experience with the combination of the dedicated remote and touchscreen interface.

RiMotion is designed for the way operators want to work. Some may prefer the familiar Replay Remote Controller with an intuitive button layout and ultra-responsive jog wheel. Others love working with our touch-screen UI, with easy-to-access controls and great feeling scroll pad. And some operators want to work with both at the same time, which is why we offer both… so people can work exactly the way they want.

The RiMotion architecture also brings flexibility for remote, at-home productions. The system allows the backend hardware to be located on-site, while the UI can be extended via Internet to the production facility. This allows for a smaller footprint, less people needed on location and an unparalleled level of workflow flexibility.

Processing Units

FEATURES

R6	R8	R10	R12	R84
· Compact 1RU Unit	· Compact 1RU Unit	· Compact 1RU Unit	· Compact 2RU Unit	· Compact 2RU Unit
· Single Operator	· Single Operator	· Single Operator	· Single or Dual Operator	· Single or Dual Operator
· Redundant PSU	· Redundant PSU	· Redundant PSU	· Redundant PSU & RAID Storage	· Redundant PSU & RAID Storage
· 6 channel 1080p	· 8 channel 1080p	· 10 channel 1080p	· Large Recording Capacity	· Large Recording Capacity
· Dedicated RCU	· Dedicated RCU	· Dedicated RCU	· 12 channel 1080p	· 8 channel 1080p HDR or 4 channel UHD
· SSM optional license	· SSM optional license	· SSM optional license	· 2x dedicated RCUs	· Dedicated RCU
· Optional network features	· Optional network features	· Optional network features	· SSM optional license	· SSM optional licence
			· Optional network features	· Optional network features

POWERFUL AND COMPACT SLOW MOTION SOLUTIONS

RiMotion R6, R8 and R10 are the perfect starting point for live replay, while the R12 takes your replay solution to another level with its dual operator support and the ability to network multiple servers to easily upscale your production. And with the new UHD bundle RiMotion R84, UHD productions can now profit from RiMotion's extensive feature set and ease of use, as the RiMotion R84 provides higher resolutions with 4 UHD channels and up to 8 1080p HDR channels.
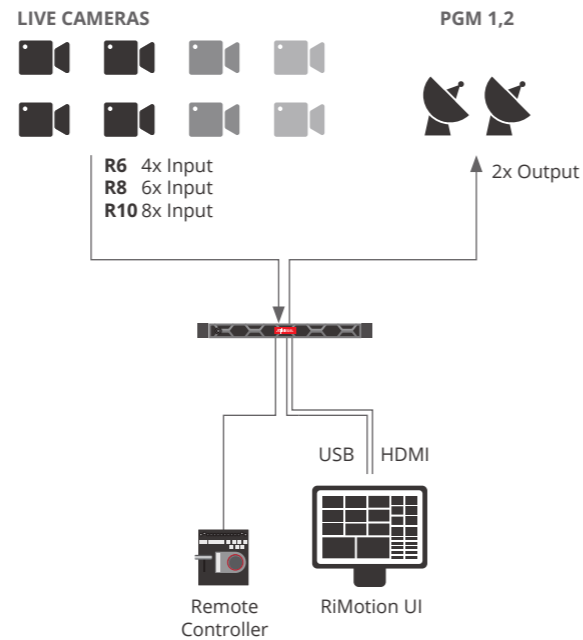
R6/R8/R10 offer 6/8/10 configurable channels for up to 4/6/8 camera inputs with a minimum hardware footprint in a 1 RU portable chassis and include:

· Replays & Highlights
· Import / Export of media
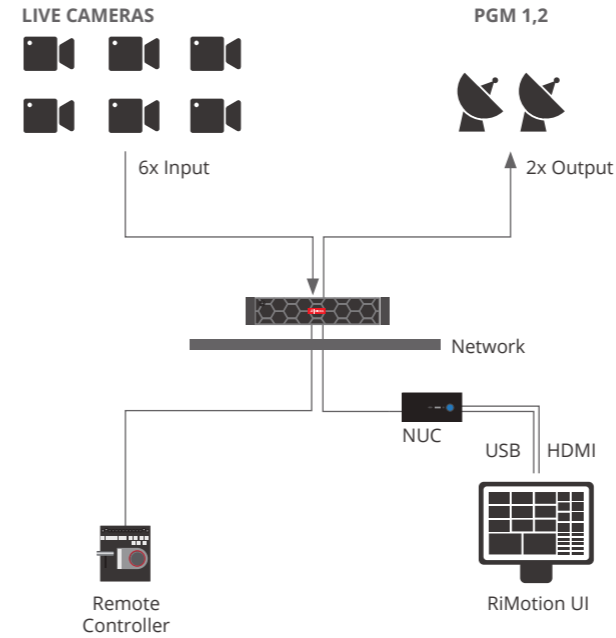· Slow Motion Controller

R12 boasts 12 configurable channels for up to 10 camera inputs in a 2 RU portable chassis, while R84 introduces higher resolutions with 4 UHD channels. Both include:

· Replays & Highlights
· Import / Export of media
· Slow Motion Controller
· 4 Outputs for Dual Operators
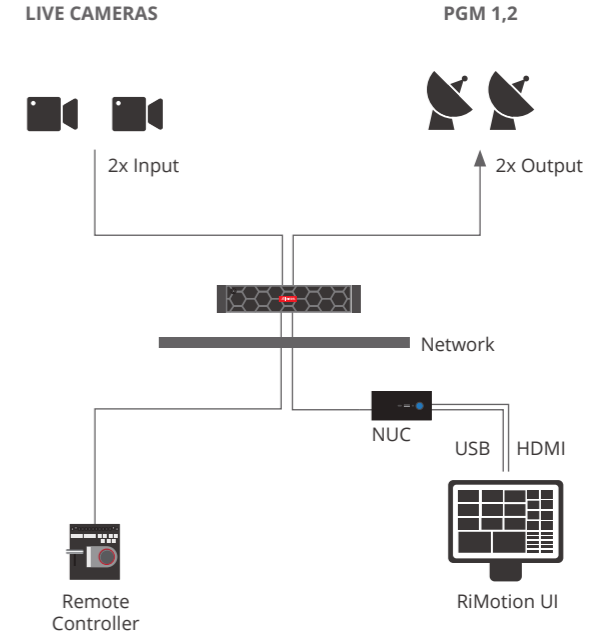· Networking of Multiple Servers

R84
HD Configuration

LIVE CAMERAS   PGM 1,2

6x Input   2x Output

Network

NUC

USB   HDMI

Remote
Controller   RiMotion UI

R84
UHD Configuration

LIVE CAMERAS   PGM 1,2

2x Input   2x Output

Network

NUC

USB   HDMI

Remote
Controller   RiMotion UI

R6 / R8 / R10
Single Operator Workflow

LIVE CAMERAS   PGM 1,2

R6 4x Input
R8 6x Input
R10 8x Input   2x Output

USB   HDMI

Remote
Controller   RiMotion UI

R12
Dual Operator / Remote Workflow

LIVE CAMERAS

8x or 10x Input

Network

2x or 4x Output   NUC

                                                   WAN

PGM 1,2, (3,4)   NUC   **Remote / Home Production** NUC

                           USB   HDMI   USB   HDMI

Remote   Remote
Controller   RiMotion UI   Controller   RiMotion UI

OPERATOR #1   **REMOTE OPERATOR #2**
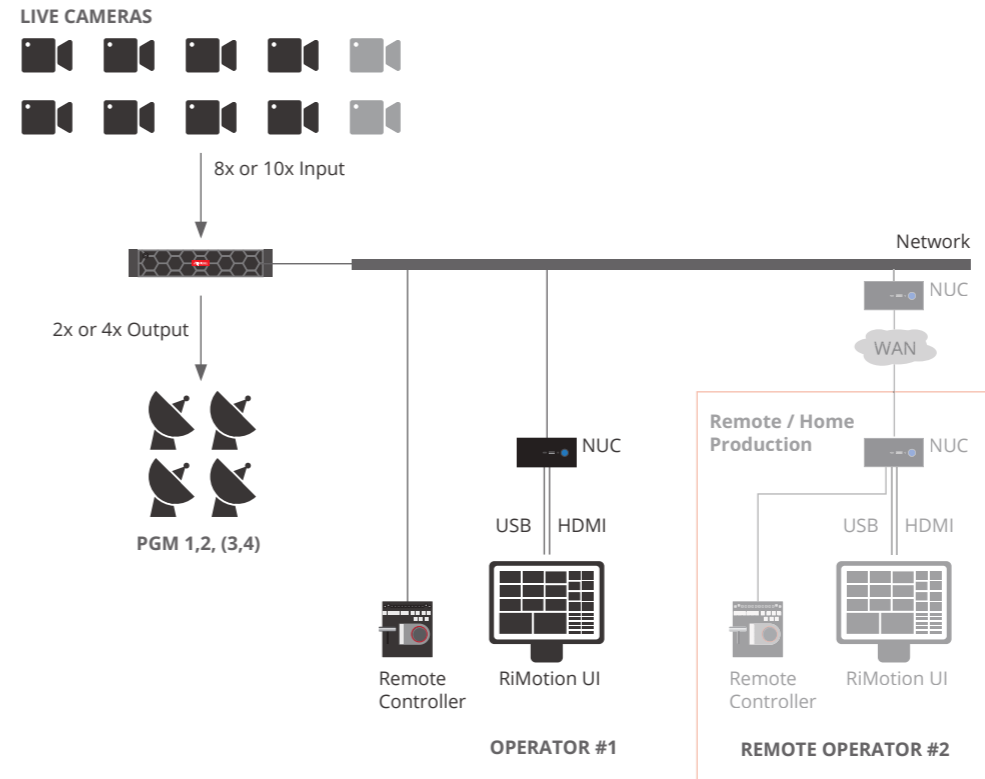
TECHNICAL SPECIFICATIONS

R6	R8	R10
VIDEO		
8 x 3G SDI	8 x 3G SDI	8 x 3G SDI
I/O Options: SDI, NDI, TS UDP, TS RTP, RTMP (Input) or SRT	I/O Options: SDI, NDI, TS UDP, TS RTP, RTMP (Input) or SRT	I/O Options: SDI, NDI, TS UDP, TS RTP, RTMP (Input) or SRT
DNxHD 120/145/290Mbps 8-bit	DNxHD 120/145/290Mbps 8-bit	DNxHD 120/145/290Mbps 8-bit
4in/2out Single User	6in/2out Single User	8in/2out Single User
VIDEO STANDARD		
HD 720p, 1080i and 1080p, 8-bit	HD 720p, 1080i and 1080p, 8-bit	HD 720p, 1080i and 1080p, 8-bit
AUDIO		
Embedded audio: 16 tracks per video channel (input or output) + Dante or AES67	Embedded audio: 16 tracks per video channel (input or output) + Dante or AES67	Embedded audio: 16 tracks per video channel (input or output) + Dante or AES67
STORAGE		
2, 4 or 8TB SSD storage (up to 24/48/96h)	4, 8TB, or 4x4TB SSD (up to 48/96/144h)	8TB, or 4x4TB SSD (up to 96/144h)
USB3 connectors for import from / export to external storage	USB3 connectors for import from / export to external storage	USB3 connectors for import from / export to external storage
UI MINI PC		
-	-	-
NETWORK		
1x 1/10 Gigabit RJ 45 Ethernet port + 1x 10 Gigabit RJ45 Ethernet port	2x 10 Gigabit RJ45 Ethernet port	2x 10 Gigabit RJ45 Ethernet port
CONTROLLER		
1x RCU included in the bundle	1x RCU included in the bundle	1x RCU included in the bundle
GP/IO		
GPI	GPI	GPI
TSL5	TSL5	TSL5
OPERATING SYSTEM		
Windows 10 Pro 64 bit	Windows 10 Pro 64 bit	Windows 10 Pro 64 bit
PHYSICAL		
1RU Chassis: HxWxD: 43.6 mm (1.72") x 438.4 mm (17.25") x 649.9 mm (25.58")	1RU Chassis: HxWxD: 43.6 mm (1.72") x 438.4 mm (17.25") x 649.9 mm (25.58")	1RU Chassis: HxWxD: 43.6 mm (1.72") x 438.4 mm (17.25") x 649.9 mm (25.58")
Weight: 12.8 kg (28.2 lb)	Weight: 12.8 kg (28.2 lb)	Weight: 12.8 kg (28.2 lb)
POWER		
Redundant Dual 110/230 V, 500W PSUs	Redundant Dual 110/230 V, 500W PSUs	Redundant Dual 110/230 V, 500W PSUs

R12	R84 HD	R84 UHD
VIDEO		
12 x 3G SDI	4 x 3G SDI + 4x 3G/12G SDI	4 x 12G SDI
I/O Options: SDI, NDI, TS UDP, TS RTP, RTMP (Input) or SRT	I/O Options: SDI, NDI, TS UDP, TS RTP, RTMP (Input) or SRT	I/O Options: SDI, NDI, TS UDP, TS RTP, RTMP (Input) or SRT
DNxHD 120/145/290Mbps 8-bit	DNxHD 120/145/290Mbps 8-bit and 220/440Mbps 10-bit	DNxHR 1100Mbps 8-bit and 1665Mbps 10-bit
10in/2out Single User or 8in/4out Dual User	Up to 6in/Up to 4out Single/Dual User (option)	2in/2out Single User
VIDEO STANDARD		
HD 720p, 1080i and 1080p, 8-bit	720p, 1080i and 1080p, 10-bit	2160p
AUDIO		
Embedded audio: 16 tracks per video channel (input or output) + Dante or AES67	Embedded audio: 16 tracks per video channel (input or output) + Dante or AES67	
STORAGE		
5x2TB, 5x4TB or 5x8TB SSD	5x2TB, 5x4TB or 5x8TB SSD	
USB3 connectors for import from / export to external storage	USB3 connectors for import from / export to external storage	
UI MINI PC		
2x UI Mini PCs included in the bundle	1x UI Mini PC included in the bundle (2nd UI Mini PC optional)	
NETWORK		
2x 10 Gigabit RJ45 Ethernet port	2x 10 Gigabit RJ45 Ethernet port	
CONTROLLER		
2x RCU included in the bundle	1x RCU included in the bundle	
GP/IO		
GPI	GPI	
TSL5	TSL5	
OPERATING SYSTEM		
Windows 10 Pro 64 bit	Windows 10 Pro 64 bit	
PHYSICAL		
2RU Chassis: HxWxD: 86.0mm (3.5") x 437.0mm (17.2") x 648.0mm (25.5")	2RU Chassis: HxWxD: 86.0mm (3.5") x 437.0mm (17.2") x 648.0mm (25.5")	
Weight: 18.5 kg (40.8 lb)	Weight: 18.5 kg (40.8 lb)	
POWER		
Redundant Dual 110/230 V, 920W PSUs	Redundant Dual 110/230 V, 920W PSUs	

i4 Touch UI & Hardware Units

RiCAPTURE i4
i4 ADVANCED

The New Networked UHD Ingest Recording Solution. i4 Compact, Powerful, High-quality Master Recorder.

The RiCapture i4 system offers a powerful UHD ingest recording solution built into a small form-factor with significant cost advantages.

Controlled with an easy-to-use interface for quick setup and deployment, i4 lets users record 1x UHD 12G-SDI input or 4x 3G-SDI inputs with 16 channels of embedded audio per video channel. Additional audio sources are available with 128 channels of Dante or 64 Channels of AES67. The i4 high quality recording offers DNxHD or DNxHR along with H264 4:2:0 and 4:2:2 encoding up to 40 Mbps. Its local i4 recording storage offers continuous loop recording for the captured content, with options to clip and export files as needed from the available local storage.

The application can connect up to 10 targets for streaming destinations. Users can easily select within each of these destinations whether to send only the high resolution DNxHD/R, the H264 – or both. i4 offers maximum versatility to capture the recorded media locally, on removable storage, on network attached storage or to live streaming destinations.

RiCapture i4 and i4 Advanced are the ideal solution for all your master recording needs – whether in an OB or live studio environment.

FEATURES
· Portable and Compact
· Powerful, Professional Solution
· Recording of up to 4x 3G-SDI inputs HD and 1x 12G-SDI input UHD
· Up to 10 targets
· Can record DNx & H.264 at the same time

i4	i4 Advanced
VIDEO	
4x HD SDI Inputs	4x HD SDI Inputs
1x UHD SDI Inputs	1x UHD SDI Inputs
Codec HD: DNxHD 8bits 120/145Mbps	Codec HD: DNxHD 8bits 120/145Mbps
Codec UHD: DNxHR 8bits 960/1160Mbps	Codec UHD: DNxHR 8bits 960/1160Mbps
VIDEO STANDARD	
HD 720p, 1080i and 1080p, 8-bit	HD 720p, 1080i and 1080p, 8-bit
4K UHD, 8-bit	4K UHD, 8-bit
AUDIO	
Embedded audio: 16 tracks per video channel	Embedded audio: 16 tracks per video channel
128Ch Dante or 64Ch AES67	128Ch Dante or 64Ch AES67
RECORD PROFILE	
Can record DNx and H.264 at the same time	Can record DNx and H.264 at the same time
H.264 4:2:2 encoding up to 40 Mbps	H.264 4:2:2 encoding up to 40 Mbps
Up to 10 targets	Up to 10 targets
STORAGE	
2TB SSD storage (up to 24h)	5 x 2TB SSD RAID storage (up to 100h)
NETWORK	
2 x 1 Gigabit RJ45 Ethernet ports	2 x 1 Gigabit + 2 x 10 Gigabit RJ45 Ethernet ports
OPERATING SYSTEM	
Microsoft Windows 10	Microsoft Windows 10
PHYSICAL	
Main unit: HxWxD: 110mm (4.33") x 380mm (14.96") x 300mm (11.81"), chassis, Weight: 7 kg (15 lb)	2RU Chassis: HxWxD: 86.8mm (3.42") x 434.0mm (17.09") x 647.1mm (25.48") Weight: 27.3 kg (60.19lb)
Rack-mount option	Rack-mount option
110/230 V, 1100W PSU	Redundant Dual 110/230 V, 1100W PSUs

VENUE
GATEWAY STANDARD
ADVANCED

Low Latency Remote Contribution Gateway

The Riedel Venue Gateway is a low-latency, bi-directional, multi-channel and multi-format contribution appliance bridging broadcast production infrastructures with distant venues. It aggregates and transports video signals, audio signals, commentary signals, intercom signals and tally.

Supporting many IP formats and SDI connectivity, the Venue Gateway offers great agility for contribution feed delivery. The web management interface has been designed to centralize and simplify the configuration. Featuring codec formats like H.264 and H.265, the gateway solution provides software defined low-latency encoding and decoding on 8 bi-directional channels with the highest broadcast quality.

The Venue Gateway offers seamless integration with direct IP sources being sent to the ViBox platform. It can also be integrated with any specialized transport security and redundancy solution such as Netinsight Nimbra Edge, Zixi Broadcaster or Techex MWedge.

Its built-in low latency multiviewer lets remote or on-site engineers view all sources in real time and test the network infrastructure with pre-loaded content.

The Venue Gateway is available as a standard or an advanced version, with the Venue Gateway Advanced adding two 10 Gigabit RJ45 Ethernet

connectors for higher backbone bandwidths and two redundant PSUs in a compact 2RU frame.

Designed to provide flexibility and reliability to the users, the Venue Gateway is a complete solution that addresses all requirements of modern-day remote production.

FEATURES

· 8 Channel bi-directional encoder/decoder
  for remote contribution
· Built-in low latency multiviewer offering
  remote or on-site monitoring
· Internal audio routing from encode to decode
  sources with embedded, NDI®, AES67 or Dante®
· Receives tally from remote production mixer for camera
  operators via TSL-5 or GPI/O

Venue Gateway Web Interface
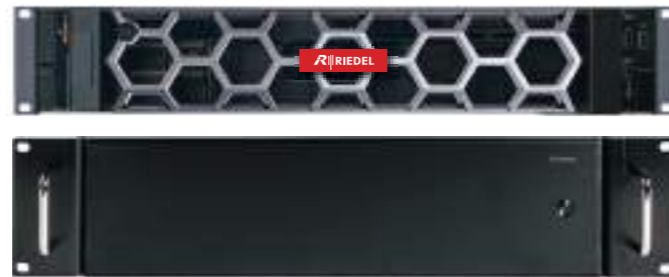
Processing Units

Venue Gateway	Venue Gateway Advanced
INTERFACE	
8 x Bi-Directional 3G-SDI	8 x Bi-Directional 3G-SDI
2 x 1 Gigabit RJ45 Ethernet	2 x 10 Gigabit, 2 x 1 Gigabit RJ45 Ethernet
1 x Genlock input	1 x Genlock input
1 x LTC XLR	1 x LTC XLR
VIDEO CODEC	
H.264 4:2:0 8 bits	H.264 4:2:0 8 bits
H.264 4:2:2 10 bits	H.264 4:2:2 10 bits
H.265 4:2:0 8 bits	H.265 4:2:0 8 bits
JPEG XS (coming soon)	JPEG XS (coming soon)
AUDIO CODEC	
AAC	AAC
MPEG-1 Layer II	MPEG-1 Layer II
TRANSPORT FORMAT	
SRT	SRT
Dante or AES67	Dante or AES67
NDI® (coming soon)	NDI® (coming soon)
TS UDP (coming soon)	TS UDP (coming soon)
TS RTP (coming soon)	TS RTP (coming soon)
PATH PROTECTION	
SRT (incl. redundancy)	SRT (incl. redundancy)
RIST	RIST
ZIXI	ZIXI
2022-7 compliant (through 3rd party)	2022-7 compliant (through 3rd party)
TALLY	
GPI/O	GPI/O
TSL5 over IP for Tally and UMD	TSL5 over IP for Tally and UMD
COMMUNICATION - TALKBACK	
Dante®, AES67 supported	Dante®, AES67 supported
LOCAL STORAGE	
-	2TB SSD
OPERATING SYSTEM	
Windows 10 Pro 64 bit	Windows 10 Pro 64 bit
PHYSICAL	
HxWxD: 110mm (4") x 380mm (15") x 380mm (12")	2RU Chassis: HxWxD: 86.8mm (3.42") x 434.0mm (17.09") x 647.1mm (25.48")
7 kg (15 lbs)	27.3 kg (60.19lb)
10/230 V, 350W PSU	Redundant Dual 110/230 V, 1100W PSUs
MONITORING	
Integrated Multiviewer with video, audio, timecode and tally	Integrated Multiviewer with video, audio, timecode and tally
Unrecovered packets, CC errors, RTP sequence errors,	Unrecovered packets, CC errors, RTP sequence errors,
ETR290 (through 3rd party)	ETR290 (through 3rd party)