



# RIMOTION / RICAPTURE / VENUE GATEWAY

LIVE VIDEO PRODUCTION

# RiMOTION R6 / R8 / R12 / R84: REPLAY SOLUTIONS FOR EVERYONE

**SUPER-SLOMO  
CAPABLE**



SloMo Touch UI

**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 four different bundles, so you'll find just the right one for your production. With RiMotion R6, R8 and R12 you get to choose from 6 to 12 configurable channels for 4 to 10 camera inputs. And R84, the latest addition to the RiMotion family, adds UHD support with 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.

**SEE IT. LOVE IT. REPLAY IT.**

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

- Compact 1RU Unit
- Single Operator
- Redundant PSU
- 6 channel 1080p
- Dedicated RCU
- SSM optional license
- Optional network features

### R8

- Compact 1RU Unit
- Single Operator
- Redundant PSU
- 8 channel 1080p
- Dedicated RCU
- SSM optional license
- Optional network features

### R12

- Compact 2RU Unit
- Single or Dual Operator
- Redundant PSU & RAID Storage
- Large Recording Capacity
- 12 channel 1080p
- 2x dedicated RCUs
- SSM optional license
- Optional network features

### R84

- Compact 2RU Unit
- Single or Dual Operator
- Redundant PSU & RAID Storage
- Large Recording Capacity
- 8 channel 1080p HDR/4 channel UHD
- Dedicated RCU
- SSM optional licence
- Optional network features

# POWERFUL AND COMPACT SLOW MOTION SOLUTIONS

RiMotion R6 and R8 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.

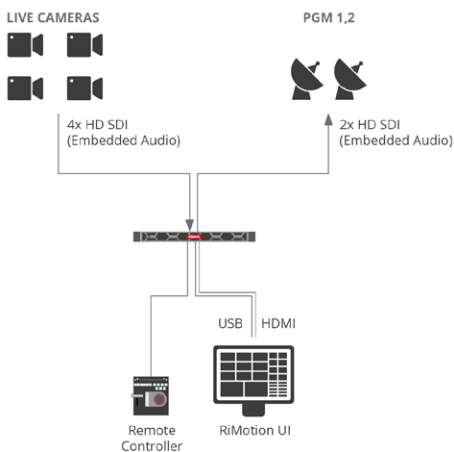
R6/R8 offer 6/8 configurable channels for up to 4/6 camera inputs with a minimum hardware footprint in a 1 RU portable chassis and include:

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

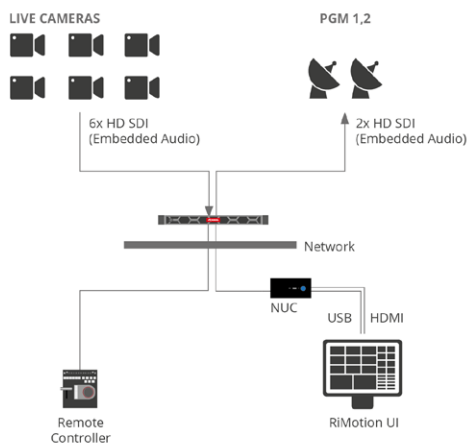
R12 boasts 12 configurable channels for up to 10 camera inputs in a 2 RU portable chassis, while R84 introduces higher resolutions with 4 UHD channels. Both include:

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

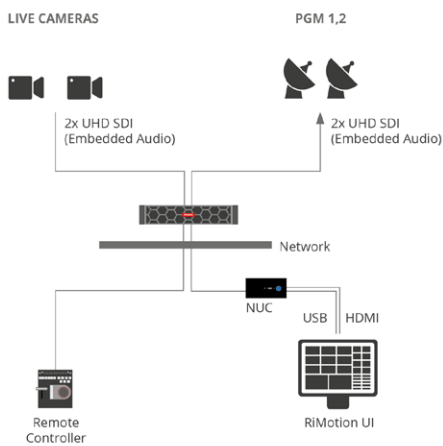
## R6 Single Operator Workflow



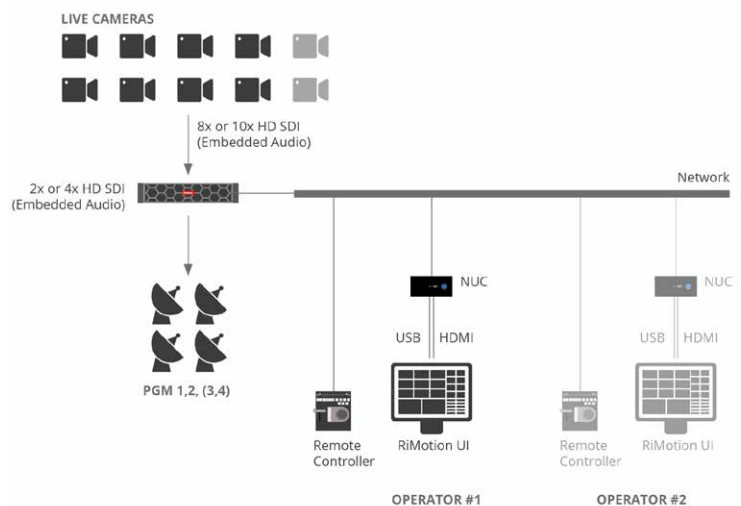
## R8/R84 HD Configuration



## R84 UHD Configuration



## R12 Dual Operator Workflow



# TECHNICAL SPECIFICATIONS

R6	R8	R12	R84	
<b>VIDEO</b>			<b>HD</b>	<b>UHD</b>
4x HD SDI Inputs	6x HD SDI Inputs	Up to 10x HD SDI Inputs	6x 3G SDI Inputs	2 x 12G SDI Inputs
2x HD SDI Outputs	2x HD SDI Outputs	Up to 4x HD SDI Outputs	2x 3G SDI Outputs	2 x 12G SDI Outputs
Additional I/O Options: NDI, TS UDP, TS RTP or SRT	Additional I/O Options: NDI, TS UDP, TS RTP or SRT	Additional I/O Options: NDI, TS UDP, TS RTP or SRT	Additional I/O Options: NDI, TS UDP, TS RTP or SRT	Additional I/O Options: NDI, TS UDP, TS RTP or SRT
Codec: DNxHD 120/145Mbps	Codec: DNxHD 120/145Mbps	Codec: DNxHD 120/145Mbps	DNxHR 120/145/ 185/220Mbps	DNxHR 920/1100Mbps
4in/2out Single User	6in/2out Single User	10in/2out Single User or 8in/4out Dual User	6in/2out Single User or 4 in / 4 out Dual User (option)	2in/2out Single User
<b>VIDEO STANDARD</b>				
HD 720p, 1080i and 1080p, 8-bit	HD 720p, 1080i and 1080p, 8-bit	HD 720p, 1080i and 1080p, 8-bit	720p, 1080i and 1080p, 10-bit	2160p
<b>AUDIO</b>				
Embedded audio: 16 tracks per video channel (input or output)	Embedded audio: 16 tracks per video channel (input or output)	Embedded audio: 16 tracks per video channel (input or output)	Embedded audio: 16 tracks per video channel (input or output)	
<b>STORAGE</b>				
2TB SSD storage (up to 24h)	2TB SSD storage (up to 24h)	5x2TB SSD Internal RAID Storage (up to 100h)	5x2TB SSD RAID storage (up to 100h)	
4TB or 8TB SSD (optional extension)	4TB or 8TB SSD (optional extension)	5x4TB SSD (optional extension)	5x4TB or 5x8TB SSD (optional extension)	
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	USB3 connectors for import from / export to external storage	
<b>UI MINI PC</b>				
Not included	1x UI Mini PC included in the bundle	2x UI Mini PCs included in the bundle	1x UI Mini PC included in the bundle (2nd UI Mini PC optional)	
	Intel Core i7, 2.8GHz, 16GB RAM, 250G SSD	Intel Core i7, 2.8GHz, 16GB RAM, 250GB SSD	Intel Core i7, 2.8GHz, 16GB RAM, 250G SSD	
	110 / 230 V, 120W power supply	110 / 230 V, 120W power supply	110 / 230 V, 120W power supply	
<b>NETWORK</b>				
1x 1 Gigabit RJ 45 Ethernet port	1x 1 Gigabit RJ45 Ethernet port	2x 1 Gigabit RJ45 Ethernet ports	2x 1 Gigabit RJ45 Ethernet ports	
1x 10 Gigabit RJ45 Ethernet port	1x 10 Gigabit RJ45 Ethernet port	2x 10 Gigabit RJ45 Ethernet ports	2x 10 Gigabit RJ45 Ethernet ports	
<b>CONTROLLER</b>				
1x RCU included in the bundle	1x RCU included in the bundle	2x RCU included in the bundle	1x RCU included in the bundle	
Optional Touchscreen (not provided)	Optional Touchscreen (not provided)	Optional Touchscreen (not provided)	Optional Touchscreen (not provided)	
<b>PROTOCOLS</b>				
GPI control	GPI control	GPI control	GPI control	
TSL5	TSL5	TSL5	TSL5	
<b>OPERATING SYSTEM</b>				
Windows 10 Pro 64 bit	Windows 10 Pro 64 bit	Windows 10 Pro 64 bit	Windows 10 Pro 64 bit	
<b>PHYSICAL</b>				
1RU Chassis: HxWxD: 42.8 mm (1.68") x 482.0 mm (18.98") x 589.1 mm (23.19") with Bezel or 577.6 mm (22.74") without Bezel.	1RU Chassis: HxWxD: 42.8 mm (1.68") x 482.0 mm (18.98") x 589.1 mm (23.19") with Bezel or 577.6 mm (22.74") without Bezel.	2RU Chassis: HxWxD: 86.8mm (3.42") x 434.0mm (17.09") x 647.1mm (25.48")	2RU Chassis: HxWxD: 86.8mm (3.42") x 434.0mm (17.09") x 647.1mm (25.48")	
Weight: 8.74 kg (19.27lb)	Weight: 8.74 kg (19.27lb)	Weight: 27.3 kg (60.19lb)	Weight: 27.3 kg (60.19lb)	
<b>POWER</b>				
Redundant Dual 110/230 V, 550W PSUs	Redundant Dual 110/230 V, 550W PSUs	Redundant Dual 110/230 V, 1100W PSUs	Redundant Dual 110/230 V, 1000W 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

### VIDEO

4x HD SDI Inputs

1x UHD SDI Inputs

Codec HD: DNxHD 8bits 120/145Mbps

Codec UHD: DNxHR 8bits 960/1160Mbps

### VIDEO STANDARD

HD 720p, 1080i and 1080p, 8-bit

4K UHD, 8-bit

### AUDIO

Embedded audio: 16 tracks per video channel

128Ch Dante or 64Ch AES67

### RECORD PROFILE

Can record DNx and H.264 at the same time

H.264 4:2:2 encoding up to 40 Mbps

Up to 10 targets

### STORAGE

2TB SSD storage (up to 24h)

### NETWORK

2 x 1 Gigabit RJ45 Ethernet ports

### OPERATING SYSTEM

Microsoft Windows 10

### PHYSICAL

Main unit: HxWxD: 110mm (4.33") x 380mm (14.96") x 300mm (11.81"), chassis, Weight: 7 kg (15 lb)

Rack-mount option

110/230 V, 1100W PSU

## i4 Advanced

4x HD SDI Inputs

1x UHD SDI Inputs

Codec HD: DNxHD 8bits 120/145Mbps

Codec UHD: DNxHR 8bits 960/1160Mbps

HD 720p, 1080i and 1080p, 8-bit

4K UHD, 8-bit

Embedded audio: 16 tracks per video channel

128Ch Dante or 64Ch AES67

Can record DNx and H.264 at the same time

H.264 4:2:2 encoding up to 40 Mbps

Up to 10 targets

5 x 2TB SSD RAID storage (up to 100h)

2 x 1 Gigabit + 2 x 10 Gigabit RJ45 Ethernet ports

Microsoft Windows 10

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

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.

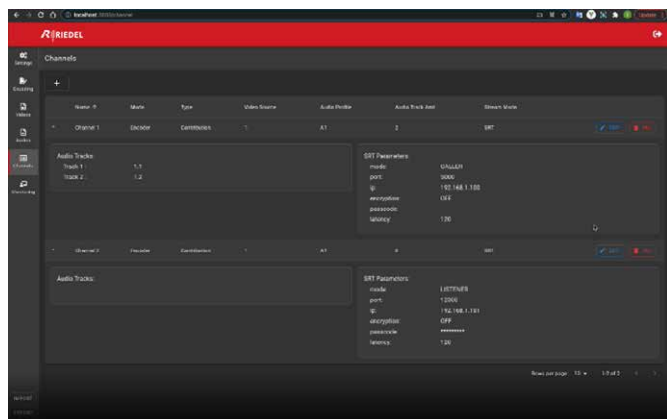
The Venue Gateway is available as a standard or an advanced version, with the Venue Gateway Advanced adding two 10 Gigabit RJ45 Ethernet

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 GPIO



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
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### LOCAL STORAGE

-	2TB SSD
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### OPERATING SYSTEM

Windows 10 Pro 64 bit	Windows 10 Pro 64 bit
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### 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, ETR290 (through 3rd party)	Unrecovered packets, CC errors, RTP sequence errors, ETR290 (through 3rd party)



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