

Debonding and Playout Server

REMI-Enabled Decoders for
Remote Production



Solution Overview

- Decode and playout live video streams
- Operate with any Vislink encoder
- Option for third-party encoders
- Decode and playout to SDI or IP
- Multicam support
- 1080i/p / NTSC/ PAL / 4K
- Additional remote production features
- RCP, IFB & Tally support
- Internal modems

The Vislink family of mobile receivers are decoding and playout servers that play a crucial role in the Vislink broadcast and live streaming workflow. Typically positioned at receiving locations, these devices enable the de-bonding, decoding, and playout of simultaneous live SD, HD, and 4K video streams generated by Vislink encoders.

Used by leading global broadcasters and production companies, these servers deliver high-quality, low-latency video feeds. They seamlessly integrate with Vislink and third-party encoders to produce live HD-SDI outputs and IP video formats from remote or studio locations. Additionally, they provide Ethernet connectivity to field encoders, supporting third-party applications such as PTZ control.

Receiver Server Models



1U x 19" Standard Playout Server



2U x 19" Playout Server (with REMI Options)



1U Linkswitch Server - for IP playout
with transcoding option

Key Features

Standard 1, 2 or 4 livestream output options (SDI)

LinkSwitch up to 20x IP streams

1x 4K stream output available

SDI Playout: 3G and 12G

IP Playout: NDI, RTMP, RTSP, MPEG-TS, SRT

1U server: standard debond, decode and playout (includes IFB)

2U rack model: provides additional REMI features and PreSonus enhanced IFB option

Option for the LinkSwitch server to de-bond up to 20 live inputs and transmit RTSP streams to other playout servers for SDI output, without requiring a global IP address on the remaining servers

H.265 (HEVC) and H.264 (AVC) decoding

REMI option including RCP and Tally Control

IFB support (with enhanced PreSonus option)

Up to 6 internal modem option

Full management of encoders and decoders by LinkMatrix remote management portal

120GB internal storage

Encryption and decryption

Supports cloud workflows

IP stream operates at same time as encoded video streaming (up to 150Mb/sec) for return IP network

Typical Applications

Newsgathering

Live Events

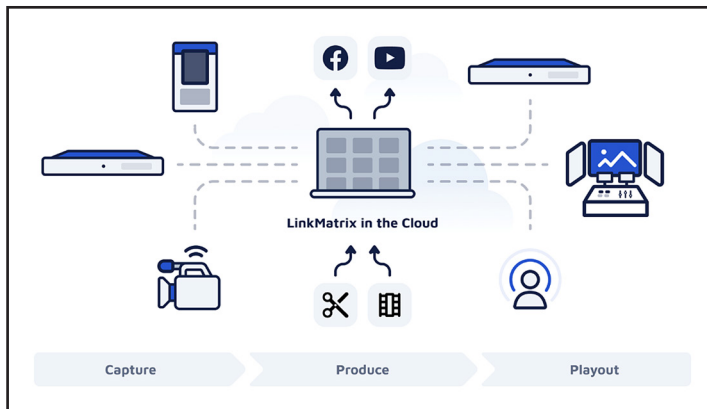
Sporting Events

Remote Production

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Product Positioning



- Bronze, Silver and Gold Support Available
- 1 year warranty
- Point-to-point connection – no reliance on a third party cloud platform for debonding.
- Cloud service can be provided as alternative if required to fulfil IP workflows accessible via LinkMatrix. (LinkSwitch in the Cloud)

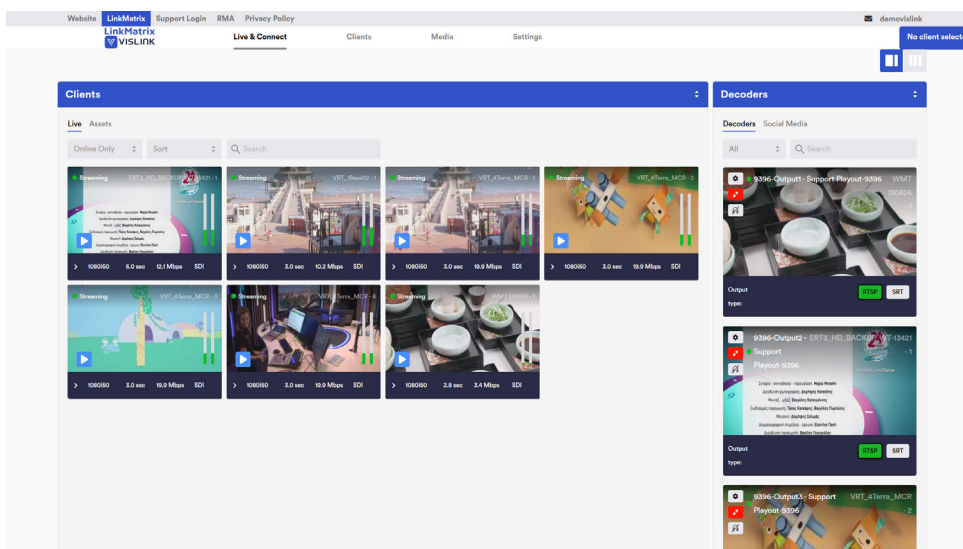
For standard playout, Vislink provides the 1U server with up to 4x HD-SDI outputs. This can be upgraded to a 2U REMI version that includes RCP, Tally control and PreSonus for enhanced IFB audio return.

There is also the option for a receiver to be configured with internal modems, allowing installation in remote locations without LAN connectivity such as OB trucks. The playout server can also relay incoming streams to SRT.

LinkMatrix

A central part of the broadcast and streaming workflow is LinkMatrix, a free-to-use management platform that operates from a browser on any device.

Linkmatrix can manage individual encoders, destinations, allows proxies to be viewed, enables record & go, implements video return, shows networks and allows other set ups and configurations. This eliminates the need for non-technical journalists and field production staff to manage the units directly.



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Receiver Models Available

Model	Standard Encoder (19" rackmount 1U)	REMI option (19" rackmount 2U)	Modem (M) option*
2K2C	1080i/p Output: 2x SDI + IP	n/a	Modems: 6 internal
2K4C	1080i/p Output: 4x SDI + IP	+ REMI option: RCP & Tally & Presonus	Modems: 6 internal
4K1C	4K & Full HD Output: 1x 12G SDI + IP (Upgradeable to 4K4C)	+ REMI option: RCP & Tally & Presonus	Modems: 6 internal
4K4C	4K & Full HD Output: 1x 12G or 4x 3G HD-SDI + IP	+ REMI option: RCP & Tally & Presonus	Modems: 6 internal
LinkSwitch	1080i/p IP Output Only 20 Vislink clients Transcoder Option Availabl	n/a	n/a

Technical Specifications

Model	2K2C / 2K4C	4K1C	4K4C	LinkSwitch
Power				
Power Requirements	90-240V	90-240V	90-240V	90-240V
Consumption	90W	90W	90W	90W
Redundant power supply	On request	On request	On request	On request
Hardware Properties				
Screen for admin	✓	✓	✓	
Size (1U server)	19" wide (482.6 mm), 1U is (1.75" or 44.45 mm)	19" wide (482.6 mm), 1U is (1.75" or 44.45 mm)	19" wide (482.6 mm), 1U is (1.75" or 44.45 mm)	19" wide (482.6 mm), 1U is (1.75" or 44.45 mm)
Weight	2.1 Kg	2.1 Kg	2.1 Kg	2.1 Kg
Operational Temperature	10°C (50°F) or above 28°C (82°F)	10°C (50°F) or above 28°C (82°F)	10°C (50°F) or above 28°C (82°F)	10°C (50°F) or above 28°C (82°F)

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Technical Specifications

Model	2K2C / 2K4C	4K1C	4K4C	LinkSwitch
Total no. of live connections	2/4	1	4	20 Vislink Devices 50 iPhone Clients
Total no. of SDI connections	2/ 4 (HD - 3G)	1 (4K-12G)	4 (1× 12G OR 4× 3G)	n/a
IP Output	RTMP, RTSP, NDI, SRT, TS-MPEG	RTMP, RTSP, NDI, SRT, TS-MPEG	RTMP, RTSP, NDI, SRT, TS-MPEG	RTMP, RTSP, NDI, SRT, TS-MPEG
Network Connectivity				
Ethernet ports 10/100/1000 Base-T	1 + 1 management port	1 + 1 management port	1 + 1 management port	1 + 1 management port
Inputs				
Ref input Genlock	✓	✓	✓	n/a
Microphone or line input for talk-back (IFB return)	✓	✓	✓	X
Video Support				
Full HD	1080i/p NTSC & PAL 25/30/50/60	1080i/p NTSC & PAL 25/30/50/60	1080i/p NTSC & PAL 25/30/50/60	1080i/p NTSC & PAL 25/30/50/60
4K UHD	n/a	1 channel	1 channel	n/a
Other Inputs				
USB Options	PreSonus?			
RCP 3G/4G	X	option	option	X
Tally	X	option	option	X
Audio				
Integrated PreSonus Option for True Intercom	X	4 channel balanced audio in/out as part of REMI option	4 channel balanced audio in/out as part of REMI option	n/a
Audio Format	Embedded audio	Embedded audio	Embedded audio	Embedded audio
IFB Audio input with less second delay	✓	✓	✓	n/a
Internal Storage				
Internal Storage	120GB	120GB	120GB	120GB
Internal Modems				
Internal Modems	Up to 6× 3G/4G/5G	Up to 6× 3G/4G/5G	Up to 6× 3G/4G/5G	n/a

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