

BaseLink 5G Encoder

Professional H.265 (HEVC)
Encoder



The BaseLink 5G Encoder provides bonded cellular reliability and minimal end-to-end latency. This highly reliable mobile ruggedized unit delivers seamless quality HD video streams at a modest cost.

With both the latest H.265 (HEVC) compression and the option of using H.264 (AVC) encoding for legacy workflows, BaseLink 5G transmits over bonded networks and back to a studio or to the cloud using between 4 and 6 internal 3G/4G/5G modems, Wi-Fi, LAN and/or satellite. By leveraging adaptive bitrate, BaseLink 5G dynamically optimizes the video feed based on the available bandwidth, ensuring high quality video delivery, even in the most demanding environments.

The lightweight and compact encoder fits into a supplied backpack and can be battery powered via an installed vLock/ Anton Bauer battery plate, allowing the use of standard camera batteries for remote operation.

Key Features

HD-SDI input (HDMI option)

IP camera input (RTSP) via LAN/Wi-Fi

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

Standard 4 internal modems
upgradable to 6

LAN & Wi-Fi connection (can be bonded
with cellular)

Adaptive Bitrate encoding - optimizes
quality based on bit rate

Hotspot feature while simultaneously
video encoding

Video return capability between encoders
and decoders on external input to the
decoder

Error Correction

Industry standard battery plate

LinkMatrix – free remote feature-rich
management platform

Touch screen for local management

Decoding options including HD-SDI, NDI,
RTMP, RTSP, MPEGTS

Support for ONVIF compliant VMS
systems such as Milestone and Genetec

Point-to-point secure connection for
added security

256 AES encryption

Cloud workflows supported

IFB support

Option for store and forward (128GB)

Option for 4 audio channels

Option for 5G modem

Dome antenna Options

Backpack available

Bronze, Silver and Gold Support Available

1 year warranty

Available Models

[BaseLink 5G – 4 modems](#)

[BaseLink 5G – 6 modems](#)

Decoding Options

BaseLink 5G provides a point-to-point connection and does not rely on a third party cloud platform for debonding.

At the receiving end:

2K2 - 2 channel decoder for HD-SDI or IP streams

2K4 - 4 channel decoder for HD-SDI or IP streams

IP stream can includes RTMP, RTSP, NDI and TS-MPEG.

An alternative cloud decoding option is also available allowing IP live feed streams to CDN's, VMS platforms, social media and other OTT IP platforms.

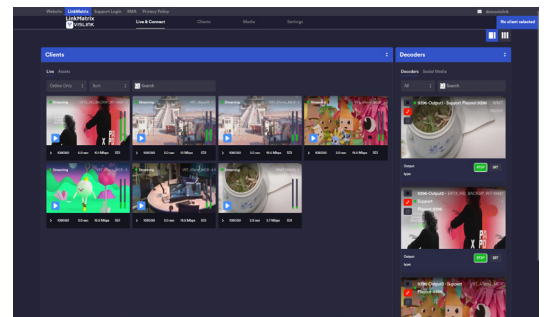
LinkMatrix

LinkMatrix is Vislink's cloud-based management control center, designed for comprehensive control of field encoders, management of decoding destinations, and access to a wide range of configuration and diagnostic tools.

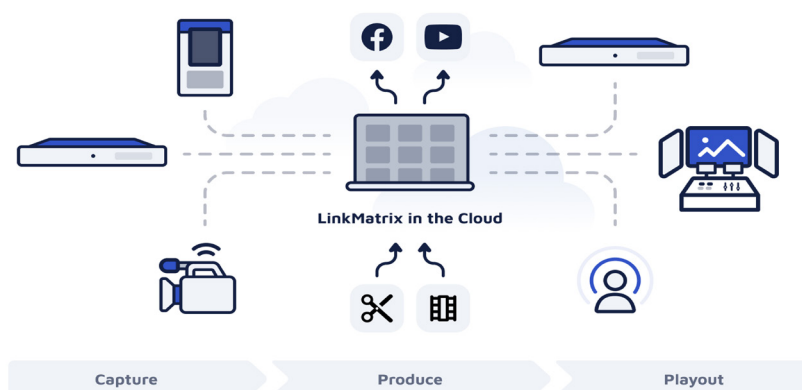
While LinkMatrix is free to use, an optional subscription-based cloud decoding service is available. This feature allows users to set up social media channels or a CDN for instant live streaming, eliminating the need for a physical decoder at the receiving end.

Operated through a standard browser with appropriate security credentials, LinkMatrix enables remote users to manage all Vislink devices under their control, without requiring technical expertise from on-air talent. The platform offers robust capabilities, including remote control, live streaming activation, social media publishing, and network diagnostics, such as SIM card management. Additionally, it provides editing and production tools like Clipper, which allows users to clip live streams and create media files for immediate publishing to platforms such as social media.

With its extensive feature set, LinkMatrix is an essential tool for streamlining live broadcasting workflows and enhancing production efficiency.



Vislink Broadcast Workflow



BaseLink 5G Datasheet



Encoder	
Encoding Protocol	H.264 (AVC) and H.265 (HEVC)
Total number of internal modems	4 or 6
Wifi	✓
Ethernet ports	1
Satellite support	BGAN (extra s/w license)
Camera Inputs	
Camera Input	HD-SDI
HDMI inputs	On request
Ethernet input (RTSP)	✓
WiFi input (RTSP)	✓
Video Support	
HD and SD video format	(1080/720/625/525)
NTSC/PAL	(frame rate 25/30/50/59,94/60)
Video Formats	SD Video Standards: 525i59.94 NTSC, 625i50 PAL HD Video Standards: 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080i50, 1080i59.94, 1080i60
Audio	
No of channels	optional 4 or 8
Audio Format (embedded)	Embedded audio (12 - 128Kbit per channel)
IFB Audio	13.5 mm Jack (mini XLR on request)
Hosted Management	
LinkMatrix Compatible	✓
Social Media for cloud decoding	✓
Power	
Power requirements	14 - 20V
Vlock plate	✓
Anton Bauer plate	On request
Main power supply	4-pin XLR
Dual power supply	n/a
Internet Hotspot	
Wifi	✓
Ethernet	✓
Delay / latency	0.8 - 60 seconds
Encryption	256 AES

BaseLink 5G Datasheet



Hardware Properties	
Screen for admin/playback	✓
Size	20.5 cm x 12.5 cm x 5 cm (WxDxH)
Weight	1.2 KG
Ruggedized Casing	✓
Operational Temperature	-5C to +45C
Decoders supported	ALL
Optional Extras (on request)	
Store & Forward	128GB Internal Memory
Audio Channels	4
5G Modem	1
Accessories	
Dome Antennas	✓ (extra on request) (Omnidirectional Array 3 dBi)
Backpacks	✓ (included with vmount)
Camera Mount Kits	on request

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