



VISLINK

At the heart of the action.

MVP BaseLink 5G Datasheet

MVP BaseLink 5G Professional Encoder

H.265

Mid range encoder

Low Latency Live Streaming

5G



The mid range MVP Baselink encoder from MVP is in use by many global broadcasters and public agencies for their critical live streaming needs. For the broadcaster and TV production company it is a valuable addition to their outside broadcast and remote production needs such as live sports, news gatherings, festivals and religious services. The Baselink is also in use by many security, law enforcement and rescue organizations for their mobile surveillance requirements to securely live stream from a remote location over multiple “bonded” cellular networks.

By bonding together multiple cellular networks for reliability with an additional error correction layer for increased quality, the Baselink provides a highly reliable mobile ruggedized unit that can deliver seamless quality HD video streams at a modest cost, with a minimal end-to-end latency of 0.8 seconds from remote camera to playout at the receiving location.

The Baselink 5G delivers great value for money by providing 5G cellular bonding connectivity. By utilizing the ever-growing number of public 5G networks, users can benefit from greater data rates per modem - potentially reducing the number of SIMs required and so reducing total cost of ownership through lower SIM leasing costs.

Features

- HD-SDI input (HDMI option)
- IP Camera Input (RTSP) via LAN/Wi-Fi
- Supports both H265 and H264 up to 12 MB/sec
- 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 same time as video encoding
- 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 & Genetec
- Point-to-point secure connection for added security
- 256 AES Encryption
- Cloud Workflows supported
- IFB Support
- Option for Store & 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



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With both the latest H.265 compression and the option of using H.264 encoding for legacy workflows, the unit is capable of supporting up to 12MB/sec over bonded networks and can transmit back to a studio or to the cloud using up to and including 4 or 6 internal 3G/4G/5G modems, Wi-Fi, LAN and/or satellite. It can bond all these connections to make a single high bandwidth connection. By using adaptive bitrate, the Baselink dynamically optimizes the video feed based on the available bandwidth ensuring high quality video delivery, even in the most demanding of situations.

The lightweight and small sized encoder can fit into a supplied backpack and can be battery powered via an installed vLock/ Anton Bauer battery plate, allowing the use of standard camera battery's for remote operation.

At the receiving location, a MVP decoder can be installed allowing the creation of either an HD-SDI stream or an IP stream for a CDN, OTT platforms, social media or a Video Management System (VMS). A subscription based cloud decoding platform is also available negating the need for an on-premise decoder if not desired.

All encoders in the field can be remotely managed and controlled via LinkMatrix, a free-to-use management platform that operates from a browser on any device. This means non-technical journalists and production people in the field do not need to manage the units directly.

Linkmatrix can manage individual encoders, destinations, show proxies, implement IFB, show available networks and other configurations.

Available models

- MVP Baselink 5G – 4 modems
- MVP Baselink 5G – 6 modems

Decoding options

The Baselink 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

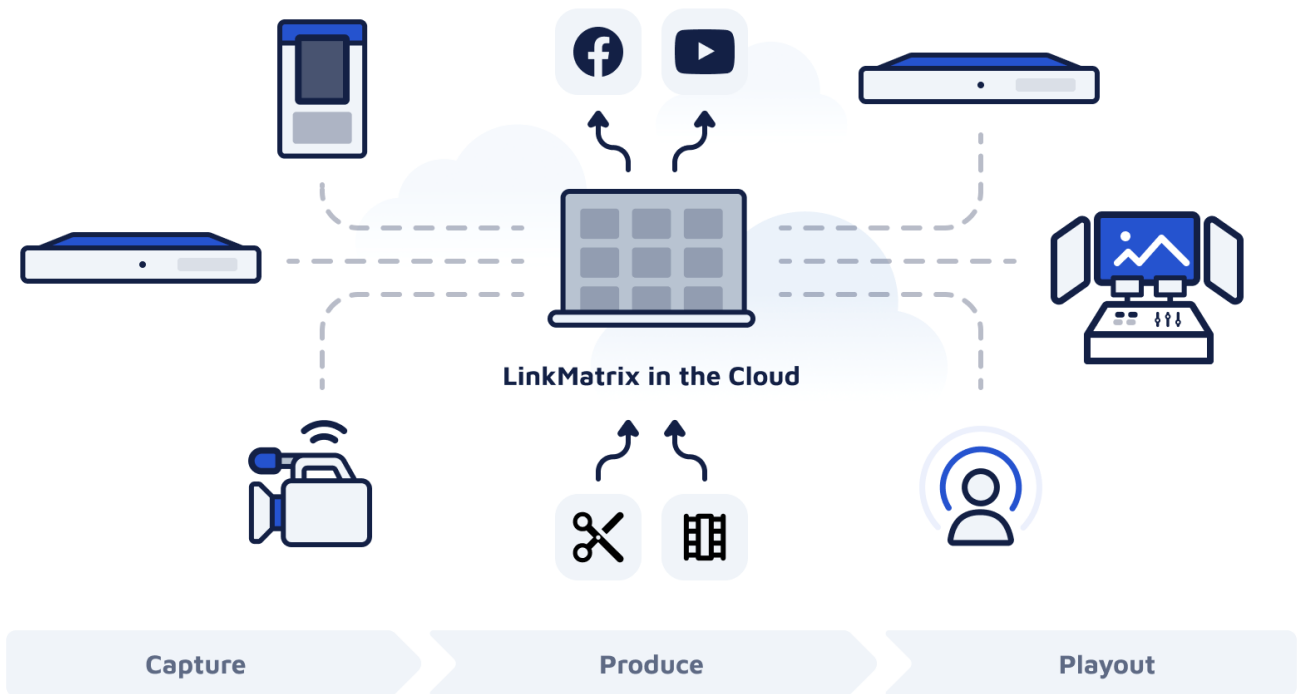
LinkMatrix is MVP’s cloud based management control center for controlling all of the encoders in the field, for selecting and managing decoding destinations, as well as host of other configuration and diagnostic information.

LinkMatrix is free but it has a subscription based option for cloud decoding that can be used to set up social media channels or a CDN for instant live streaming. This removes the need for a decoder at the receiver end.

As a hosted service operated under a standard browser with the right security credentials, it allows a remote user to manage all the MVP devices under their control without the talent in the field needing any technical knowledge. Linkmatrix has many features for remote control, going live, social media publishing and remotediagnostics including network management of SIM cards. It also includes other editing and production tools including Clipper for clipping live streams to create media files for instant publishing on social media for example.



MVP Workflow broadcast



Encoder	
Encoding Protocol	H264 and H265
Maximum Bandwidth	12 MB/sec
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	<p>SD Video Standards 525i59.94 NTSC, 625i50 PAL</p> <p>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</p>
Bit Rate	Bitrate 256 Kbps - 12 Mbps
Audio	
No of channels	optional 4 or 8
Audio Format (embedded)	Embedded audio (12 - 128Kbit per channel)
IFB Audio	1 3,5 mm Jack (mini XLR on request)
Hosted Management	
Linkmatrix Compatible	✓
Social Media for cloud decoding	✓

	Baselink xC
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
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)