

Quicklink Mobile Encoder



- ▶ 15+ bonded connections: Wi-Fi, USB and LAN
- ▶ 5 second boot time
- ▶ Optimised on lower throughput satellite
- ▶ HEVC option to encode with each profile
- ▶ Bonds multiple internet connections

Product Highlights

- ▶ H.264, H.265/HEVC option
- ▶ Bonds multiple internet connections
- ▶ Store and Forward file transfer for offline encoding and transmission when a network becomes available
- ▶ Automatic Bandwidth Speed Detection with Automatic Adjustment
- ▶ CPU information is displayed to ensure maximum quality is obtained
- ▶ Resilient IP transport with synchronised audio
- ▶ 2 x Ethernet ports for connection to satellite, supports additional optional modems via external USB ports
- ▶ Automatic format detection PAL and NTSC and choice of Payout Format
- ▶ Quick button to manually disable cellular modems if required
- ▶ Power from any industry standard XLR source
- ▶ Central Management server not required for remote control. Advanced remote control, configuration and monitoring functions available direct from encoder, from Web GUI (any device) or from the studio
- ▶ Inmarsat BGAN HDR Integration and control
- ▶ Bluetooth IFB (Interruptible Feedback) audio (optional)
- ▶ Anti-bacterial, military grade backpack, includes rain cover
- ▶ 8" Touchscreen
- ▶ Wi-Fi Remote hotspot access
- ▶ Profiles optimised for satellite transmission
- ▶ Automatic APN detection
- ▶ Support for QMI modems

Solution Overview

Quicklink are continuously developing their encoding solutions to meet the needs of the industry and the launch of the Quicklink Mobile Encoder takes mobile news gathering to the next level. Designed for performance and portability the encoder transmits high quality broadcast media streaming from the most remote locations.

Modern Design

Quicklink have designed a modern day mobile encoder that incorporates all of the functionality required to broadcast live video from any location. The encoder can simultaneously bond 15 + connections including Wi-Fi, USB and Satellite. The modular design also allows the encoder to be easily removed from the backpack for use in studios, vehicles and fly-packs.

Optimised for satellite

The Quicklink Mobile Encoder automatically optimises its transmission to maximise quality and to minimise latency and includes CIF resolution. The encoder is fully tested on the Thuraya satellite, VSAT and Ka network. The encoder also has full Inmarsat BGAN HDR Integration and control as well as inbuilt GPS functionality with custom integration to your own mapping system.

Smaller, Lighter, Higher Quality

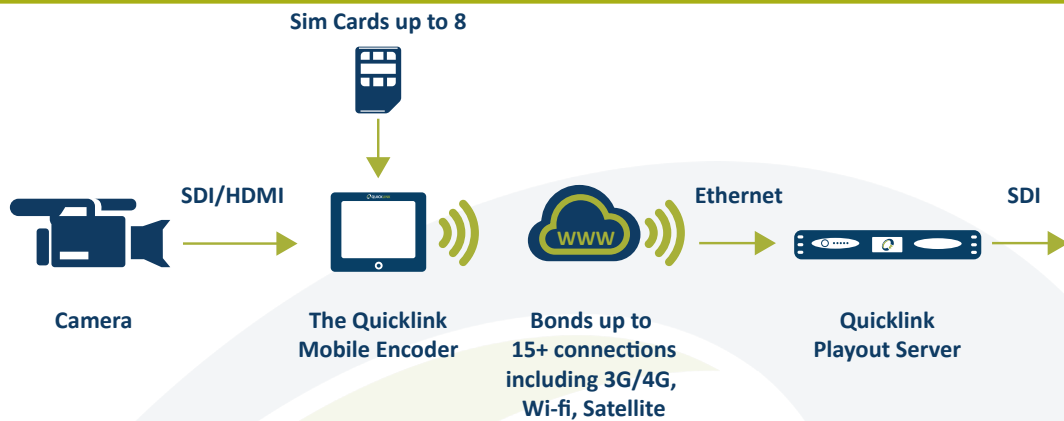
Weighing just 1.14 kgs, the Quicklink Mobile Encoder represents the ultimate uplink device for professional newsgathering. To help broadcasters produce a quality live presentation, Quicklink has launched its latest version of the Windows Live software with the installation of the HEVC (High Efficiency Video Coding) or also known as H.265. HEVC/H.265 is the standards-based, next-generation codec successor to H.264. It will deliver the same visual quality as H.264 at close to 50 percent of the bitrate.

Robust and Reliable

The Quicklink Mobile Encoder automatically aggregates all available bandwidth seamlessly, without disruption of transmission – even as satellite, microwave or cellular connections are added or dropped. The per-network cellular connectivity status includes data such as throughput and network delay per connection in an easy visual display.

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Workflow & Technical Specification



Technical Specifications for the Quicklink Mobile Encoder

CPU		i7 Intel processor
Video	Video inputs	SDI Video Input 1 x 10 bit HD / SD (BNC), 1 x HDMI type A connector
	SD video formats	625/25 PAL, 525/29.97 NTSC
	HD video formats	720p50, 720p59.94, 720p60, 1080PsF23.98, 1080p23.98, 1080PsF24, 1080p24, 1080PsF25, 1080p25, 1080PsF29.97, 1080p29.97, 1080PsF30, 1080p30, 1080i50, 1080i59.94 and 1080i60
	Video sampling	4:2:2
	Colour precision & space	10 bit, Rec 601, Rec 709
	Video encoder	MPEG-4 Video part 10 (AVC/H.264), Baseline, Main and High Profile H.264 video codec including bespoke enhancements. H.265/HEVC Option
	SDI compliance	SMPTE 292M, SMPTE 259M
	Audio	Audio inputs
Audio encoder		AAC-HE2 24Kbps to 320Kbps
Audio Talkback IFB		1 X Analogue 1/4" Jack Audio IFB / Bluetooth Talkback connectors (optional)
Network	Network supported	1x Wi-Fi, 2x Ethernet, 4x USB. Also Satellite, Thuraya IP, BGAN, VSAT, NewsSpotter and other Ka Band Services. Optional 4/8 inbuilt high gain modems
	Supported technologies	LTE, HSPA+, HSDPA/HSUPA, UMTS, Wi-Fi 802.11 AC, b, g & n Dual Band
Hardware	Input / Output ports	4 x USB 2.0 ports, 2 x Gigabit Ethernet 1x DisplayPort
	Hard Drive	250GB Solid State
	Antennae	In built antennae system with standard SMA connectors for connection of directional and high gain roof mounted antennae
	Battery connectors	Optional Hot Swap Dual Battery Plates allows uninterrupted use
	Operating Time	3-4 Hours use depending on battery option
Physical	Control	8" LCD touchscreen; USB mouse and keyboard, full web based remote control
	GUI	Simple, easy to use touch screen. Video preview with Audio level indicators
	Size	Encoder: 190mm x 220mm x 70mm (7.5" x 8.6" x 2.8") With backpack: 400mm x 330mm x 130mm (15.8" x 13" x 5.2")
	Operating Temp	0 to 55°C
	Encoder Weight	Without battery plate including 8 modems 1.76kg 1.14 kg without modems