

Quicklink 1U Encoder



The Quicklink 1U Encoder is an industry standard 19" 1U format system, with a solid state drive. The encoder has been introduced by Quicklink to complement the existing Live broadcast options. Ideal for SNG truck mounting and due to its shallow footprint, this can be installed into the smallest 19" racks.

Product Highlights

- ▶ **Adaptive/Resilient Mode**
- ▶ **Ideal for remote bureaus or SNG's**
- ▶ Bond multiple network connections
- ▶ HEVC/H.265 option to encode with each profile
- ▶ Reliable performance with Adaptive Forward Error Correction algorithms
- ▶ Automatic Bandwidth Speed Detection with Automatic Adjustment
- ▶ Low latency IFB 75 ms
- ▶ Inmarsat BGAN HDR Integration, optimisation and control
- ▶ CIF to full HD resolution
- ▶ Quiet desktop operation
- ▶ **One touch operation, direct remote control**
- ▶ **CIF to full High Definition**
- ▶ **Bonds multiple network connections**
- ▶ Automatic detection of input sources
- ▶ Resilient IP transport with synchronised audio
- ▶ Quick restart feature on power failure
- ▶ Bandwidth-smoothing for optimal network performance and packet re-ordering feature
- ▶ Remote control from mobile devices, all web browsers supported
- ▶ Automatic Access Point Name (APN) detection
- ▶ Support for 3G/4G modems

Satellite Optimised

Optimisation and Adaptive Mode on our advanced software ensures that the 1U Encoder offers reliability and robust performance by compensating for any satellite degradation. The 1U Encoder has been fully optimised to detect and remote control the BGAN HDR terminals.

Easy setup

Superior quality stable transmissions are achieved with ease

The Quicklink 1U Encoder offers genuine 'plug and play' capability. Set up and operation could not be easier. Simply use the front panel and go live with a single button press. There are no monthly subscription costs and no complicated central server.

Direct Remote Access

The 1U Encoder can be accessed directly via the desktop interface or remote accessed using any windows or android mobile device. On location a live preview of the video is available for confidence monitoring.

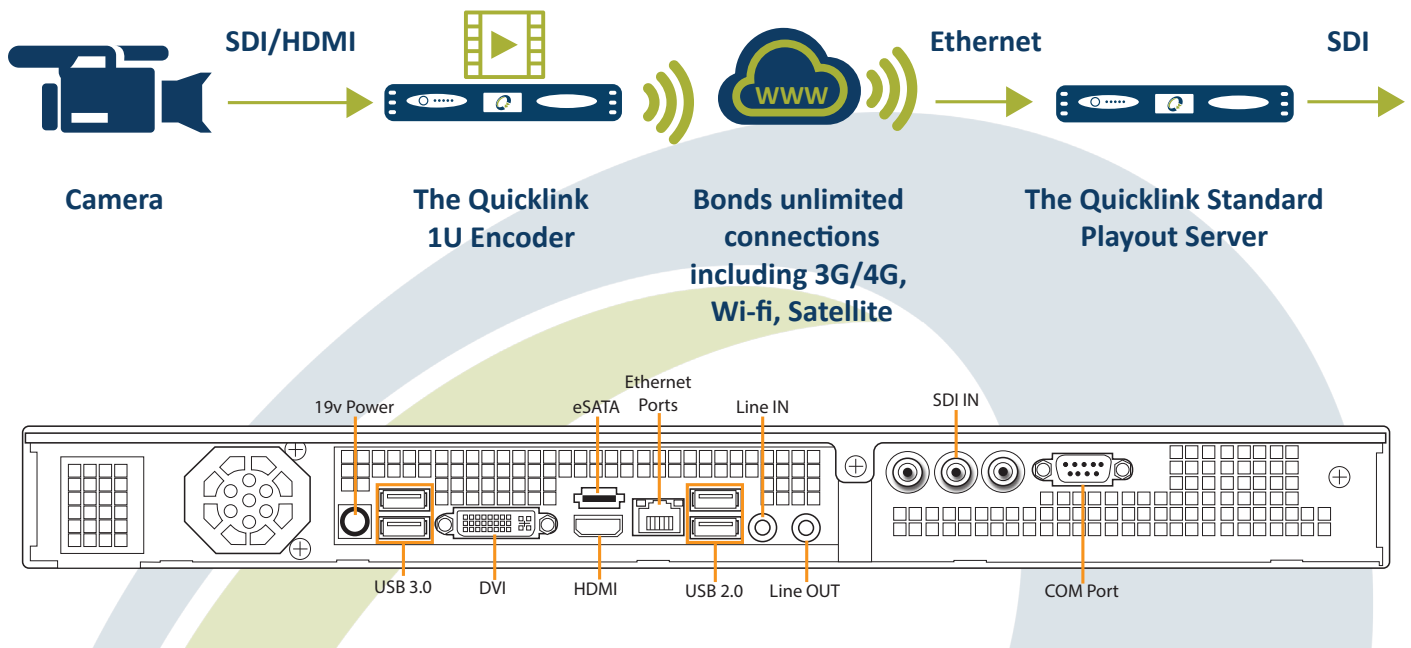
Native Bonding (included in software)

With enhanced bonding algorithms the Quicklink 1U Encoder offers flexibility and resilience with the added back-up of 3G/4G technology via the 4 USB ports. Plug in any 3G/4G dongle as a cost effective option for cellular bonding. The 1U encoder will work seamlessly with the full range of existing Quicklink systems and solutions.



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Workflow & Technical Specification



Technical Specifications for The Quicklink 1U Encoder

CPU	i7 Intel Processor
Memory	8Gb RAM
Rear I/O Ports	2 x RJ45 Gigabyte ethernet port for connection to satellite, ADSL, (Thuraya /Inmarsat BGAN / Ka-SAT etc.), 2x USB 2.0, 2x USB 3.0 ports for plugin to 3G/4G dongles, DVI out, HDMI out, 3.5mm I/O Audio.
Additional Options	External Wi-Fi via 3rd party extenders
Hard Drive	Industrial solid state 120GB HD storage
Video Formats	SD: 625/25 PAL anjd 525/29.97 NTSC HD: 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 4:2:2 10 bit Colour Space 4:2:2 YUV
Video Inputs	1x SDI Video 10 bit SD/HD switchable
Video	MPEG-4 Video part 10 (AVC/H.264), Baseline, Main and High Profile & Priority enhancement
Talkback	1 X Analogue 3.5mm Jack Audio IFB / Talkback connectors
Audio Inputs	SDI Embedded Audio or HMDI Audio sampling: Television standard sample rate of 48kHz and 24 bit
Audio Codec	AAC-HE2 24Kbps to 320Kbps
Video Codec	H.264/H.265 video codec. 64KB to 20MB
Power requirement	100 - 240v
Operation temperature	0 to +55°C
Size and Weight	1U rack mounted L 10.5" x W 19" x H 1.75" – 3.9kg