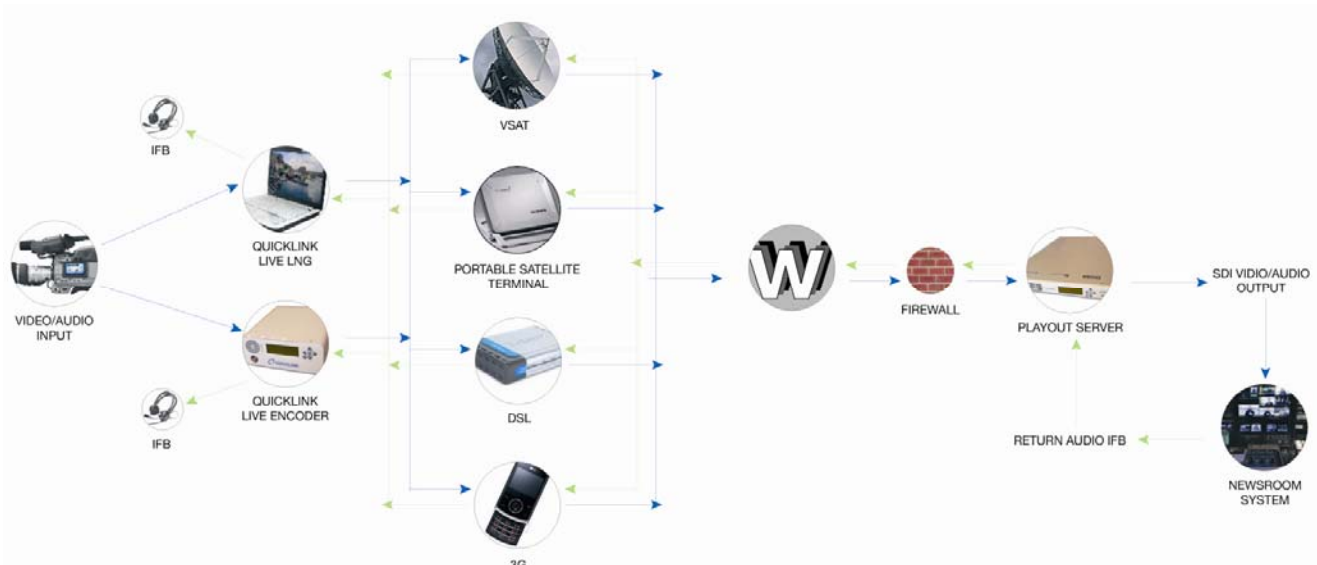


Quicklink 3007H Standard Definition 'Live' Encoder

Solution Overview:

The 3007H Encoder is a ruggedised, solid state field unit that has been introduced by Quicklink to complement existing PC and MAC based 'live' broadcast options.

The 3007H encoder uses enhanced H264 formatting and works seamlessly with the full range of existing Quicklink systems and solutions. For those that require an 'end to end' live only broadcast solution Quicklink have also introduced a 'live' only Playout server with Solid State option.



The 3007H offers genuine 'plug and go' capability. Set up and operation could not be easier - simply follow the 'drop down' front panel menus to select for example encoding rates, network connectivity etc. In as little as 3 button presses you could be streaming live.

The above diagram illustrates where the 3007H complements the Quicklink product range.

All of the flexibility, ease of use and connectivity that have made the Quicklink Live LNG such a resounding success have now been incorporated in the 3007H Encoder.

Features:

- Resilient to temperatures ranging from +50 °C down to -20 °C
- TCP/IP and UDP transport mechanisms
- Resilient IP transport with synchronized audio
- Ruggedised solid state
- Inmarsat Bgan / Thuraya Integration
- Outstanding picture quality Compliance with ISMA and DVB Standards
- Quick Restart feature on power failure
- Automatic and manual receiver mode
- Ultra Low power consumption with variable and flexible inputs from 8 volts to 21 volts DC
- DV input and optional digital (SDI) Analogue Composite inputs for use in broadcast environment
- RTP and MPEG-2 TS output, Unicast and Multicast



- Data rates: 48 kBit/s (QCIF) – 8 MBit/s (SD)
- Bandwidth-smoothing for optimal network performance and packet re-ordering feature
- Forward error correction adjustable between 0 to 50 %
- Field upgradable as new software releases are available
- Return audio for talkback / IFB
- Automatic Source format detection PAL and NTSC
- Ceramic Ball Bearing Cooling fans for extreme environments
- Ultra low latency option between 250 ms and 10secs



Technical Specification:

- CPU: Intel Mobile Low Power Processor
- Memory: 1Gb DDR2 533/667MHz
- Rear I/O ports: RJ45 LAN , 2 X USB2.0, 4 Pin XLR Power Connector
- Solid State Disk: FDM Flash Disk Module
- DV Firewire 1394 (6 Pin)
- Optional SDI Video Input 1 x 10 bit SD (BNC)
- Support Video formats 525 NTSC, 625 PAL, switchable.
- Optional SDI Audio Input 2 Channels in standard definition embedded with Video in BNC connector
- Various resolutions from QCIF (176x144) to SD (PAL or NTSC)
- Analogue Audio Input 2 Channels of professional balanced XLR analogue audio
- MPEG-4 Video part 10 (AVC/H.264), Baseline, Main and High Profile
- Single Ethernet as standard, dual Ethernet optional
- 2 X Analogue RCA Audio IFB / Talkback connectors
- Choice of 2 Audio Codec either AMR audio from 6.60 kbit/s to 23.85 Kbits or AAC audio from 16 Kbits to 320 kbit/s
- H.264 video codec

Formats Supported:

- SD Format Support 625/25 PAL, 525/29.97 NTSC, 525/23.98 NTSC
- SDI Compliance SMPTE 292M, SMPTE 259M, SMPTE 296M, SMPTE 372M, ITU-R BT.656 and ITU-R BT.601
- Video Sampling 4:2:2
- Colour Precision 4:2:2 10 bit
- Colour Space 4:2:2 YUV
- Audio Sampling Television standard sample rate of 48 kHz and 24 bit

Environmental:

- Power Requirement: 8 V ~ 21 V full range DC input 100 ~230V via power transformer (Supplied)
- Operation Temperature: +50 °C down to -20 °C
- LAN Interface: 1 x Gigabit Ethernet
- 4 lines x 20 characters LCD display for user interface. Simple 6 button navigation.
- Size : 21 cms x 8 cms x 25.5 cms
- Weight : 2Kg

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