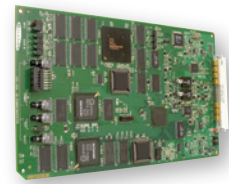


QXC-811i

HD Cross Converter



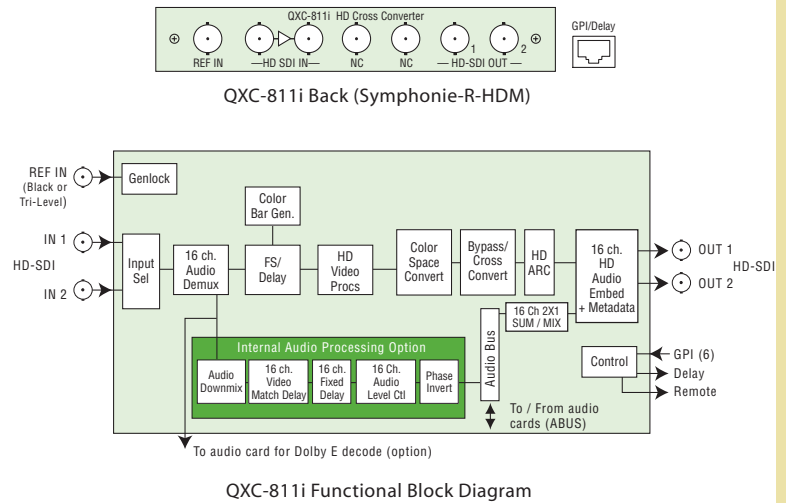
The QXC-811i is a highly integrated cross converter and frame synchronizer designed for converting and processing HD signals. The module will automatically perform HD cross conversion if the format changes from 1080i to 720p, or vice versa, to maintain a steady output.

The QXC-811i is ideal for processing incoming satellite feeds in broadcast facilities, and for incoming lines in mobile production trucks.

Dual HD-SDI inputs can be used to switch between two sources. Alternatively, an upstream router can be used to select sources, and the QXC-811's second input can be used to connect a back-up source which will be automatically selected if the main source fails. The module can process up to 16 channels (4 groups of embedded audio) or, if discrete AES inputs/outputs are required, the QXC-811i can be combined with the DAP-781i audio processing module.

Key Features and Benefits

- Built-in cross conversion
- Dual HD inputs
- HD output can be 1080i50, 1080i59.94, 720p50 or 720p59.94
- Configuration and operation by card edge, GPI, RCP-100 or iControl
- Up to 16 channels of embedded audio processing
- Compatible with Miranda external audio processor modules
- Built-in frame sync and proc amp
- Flexible HD reference input
- Auto fail over/change-over to second input
- Integrated aspect ratio converter
- Processes and converts Ancillary Data such as EIA-708-B DTV Closed Captions and Time Code
- Audio downmix from 5.1 to 2.0 Lt Rt/stereo
- Dolby™ Metadata insertion in HD-SDI signal



Technical Specifications

VIDEO INPUTS (2)

SIGNAL: SMPTE-292M (1.485, 1.485/1.001 Gbps)

FORMATS: HD: SMPTE-274M: 1080i59.94, 1080i50
HD: SMPTE-296M: 720p59.94, 720p50

CABLE LENGTH: 140 m (350') Belden 1694A at 1.485 Gbps

RETURN LOSS: > 15 dB up to 1.5 GHz

HD VIDEO OUTPUT

SIGNAL (2): SMPTE 292M (1.485, 1.485/1.001 Gbps)

SUPPORTED

FORMATS: HD: SMPTE 274M: 1080i59.94, 1080i50
HD: SMPTE 296M: 720p59.94, 720p50

RETURN LOSS: > 15 dB up to 1.5 GHz

JITTER: < 0.2 UI as per SMPTE-292M

REFERENCE INPUT

SIGNAL (1): SMPTE 170M/SMPTE 318M/ITU 624-4/BUT
470-6 or Comp. Sync
SMPTE 274M / SMPTE 296M Tri-Level Sync

RETURN LOSS: > 35 dB up to 5.75 MHz

GPI (6)

CONNECTOR: RJ-69 (RJ-45 10pin-contact) providing 4 user presets and 2 input select (Opto-isolated)

VIDEO PROCESSING PERFORMANCE

SIGNAL PATH: 10 bits

PROCESSING

DELAY: 1 frame minimum, programmable up to 4 frame maximum

AUDIO PROCESSING PERFORMANCE (OPTIONAL)

QUANTIZATION: 20-24 bits

SAMPLING: 48 kHz, synchronous

CHANNELS: 16, 8 pairs, 4 Groups

OTHER

TEST PATTERN

GENERATOR: Color bars 100% white
With 75% bars

TEST TONE

GENERATOR: -18 dBFS, 24 bit, 1 kHz continuous tone on right channel with pulsed tone on left channel in every pair.

POWER: 12.5 W

Ordering Information

QXC-811i	HD Cross Converter	Remote Control: iControl iControl Solo RCP-100	Remote Control and Monitoring Stand-alone Remote Control Software Remote Control Panel
Housing Frames:	Symphonie, Quartet 2		
Rear Modules:	Symphonie R-HDM		
Options:			
QXC-811-OPT-AUD16	Internal 16 ch. Embedded Audio Processing Option		