

## Upconverter with HD/SD-SDI Input, Embedded Audio, Frame Sync, Timecode and Closed Caption Support

The FC067 is a format converter specifically designed for SD-to-HD conversions. The card features SD-SDI input, video proc, embedded audio routing controls, frame sync, and user audio/video level controls.

The FC067 also provides AFD functions that detect the incoming AFD code, allow independent custom ARC to be applied for each incoming AFD code, and set the desired AFD code to be

inserted on the output, even if there is no code detected on the input. Closed captions and timecode are preserved through upconversions.

Full user remote and card-edge proc control with user memory allow adjustment of gain, offset, saturation, hue, audio levels, audio routing, frame sync, and many other controls. Factory presets enable a return to factory settings.

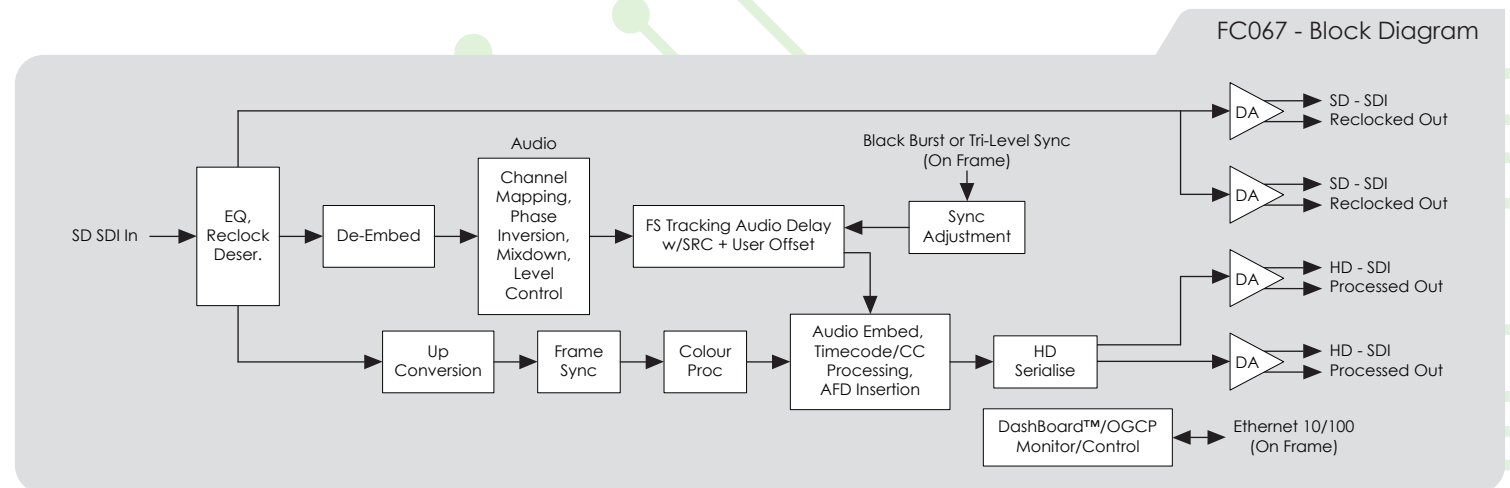
## Features

- HD/SD digital inputs
- HD/SD closed captioning and timecode support
- Up conversion and aspect ratio conversion
- AFD code insertion and AFD ARC control
- User offset to frame sync to align Dolby® delay
- Selectable safe action, safe title, and center cross overlays
- Frame sync with tracking audio delay
- Embedded audio offset adjustment for lip-sync alignment
- Audio channel mapping and level control
- 16 user presets
- Remote control/monitoring via Dashboard™ software
- Detail enhancement and noise reduction
- Five year warranty

## Ordering Information

**FC064** Upconverter with HD/SD-SDI Input, Embedded Audio, Frame Sync, Timecode and Closed Caption Support

**RM-FC067-A** Rear I/O Module (Single Slot) HD/SD-SDI Input, 4 SDI Reclocked Outputs, 4 SDI Processed Outputs



Features and specifications subject to change without notice



MICHAEL STEVENS & PARTNERS LTD

INVICTA WORKS ELLIOTT ROAD, BROMLEY, KENT, BR2 9NT UK

TEL: +44 (0)20 8460 7299 Fax: +44 (0)20 8460 0499

E-MAIL: SALES@MICHAEL-STEVENS.COM WEB: WWW.CHROMATEC.COM WEB: WWW.MICHAEL-STEVENS.COM



### Product Selection Guide

	FC061	FC062	FC064	FC066	FC067	FC068	FC821
HD/SD-SDI Inputs	1	1	1	1	1	1	1
HD/SD-SDI Processed Outputs	2	4	4	2	4	4	4
HD/SD-SDI Input Copies	0	4	4	0	4	4	4
Analogue Video Input	•			•			
Analogue Video Output							•
Analogue Audio Input	•			•			
HD Support	•	•	•	•	•	•	•
SD Support	•	•	•	•	•	•	•
Remote Control & Monitoring	•	•	•	•	•	•	•
SNMP	•	•	•	•	•	•	•
AES Embedding	•			•			
AES De-Embedding	•			•			
Frame Sync	•	•		•	•		
Up Conversion	•	•	•	•	•	•	
Down Conversion	•	•	•				•
Cross Conversion	•	•	•				
HD <-> SD Closed Captioning	•	•	•	•	•	•	•
HD <-> SD Timecode Conversion	•	•	•	•	•	•	•
HD <-> SD Emb Audio Conversion	•		•	•	•	•	•
Embedded Audio Delay	•	•		•	•		
Adjustable Video Delay	•	•		•	•		
AFD ARC Control	•	•	•	•	•	•	
AFD Code Insertion	•	•	•	•	•	•	
Audio Downmixing	•	•		•	•		
Colour Correction			•				

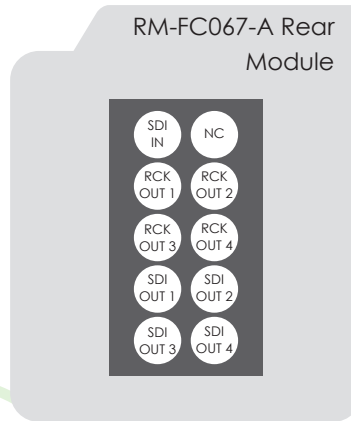


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## Specifications

### Electrical

Power: 18 watts

### HD/SD-SDI Input

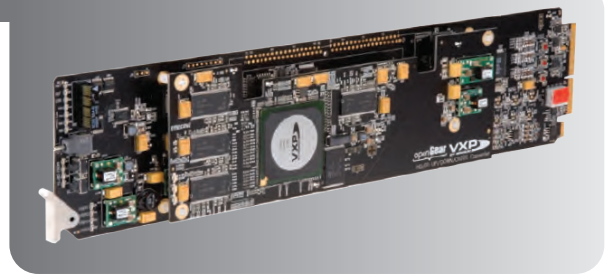
Number of Inputs: 1  
Standard: SMPTE 292 and 259M  
Return Loss: >15 dB at 5 MHz - 1.485 GHz

### Reference Video Input

Number of Inputs: 2 looping (openGear™ frame)  
Standard: Tri-level sync (SMPTE 274) and Black Burst (NTSC and PAL)

### HD/SD-SDI Output

Number of outputs: 4 Reclocked  
4 Processed  
Standard: SMPTE 292 and 259M  
Signal Level: 800 mV nominal  
Return Loss: >15 dB at 5 MHz - 270 MHz  
>12 dB at 270 MHz - 1.485 GHz  
Jitter: HD: < 0.15 UI  
SD: < 0.10 UI  
Embedded Audio: 16-Ch SD/HD



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