

Includes: FC061, FC062 Up/Down/Cross Format Converter, Video/Audio In with Frame Sync

FC061 Up/Down/Cross Format Converter with Universal Inputs Analogue/Digital Inputs, Audio Embedding, Audio Conversion and Frame Sync.

The FC061 has a full featured high quality 12-bit analogue to 10-bit serial digital converter, an HD/SD-SDI input, analogue and digital audio inputs, audio embedding, audio de-embedding, Frame Sync and user audio/video level controls. It provides full user remote and local

digital proc. control, with user memory allows digital adjustment of gain, DC Offset, saturation and hue, audio levels, audio mapping and Frame Sync controls. Factory presets enable a return to factory settings.

FC062 Up/Down/Cross Format Converter with HD/SD SDI Input, Embedded Audio Support and Frame Sync. See product selection guide for more information.

Specifications

HD/SD-SDI Input
SMPTE 292 and 259M

HD Analogue Input
YPbPr or GBR SMPTE

SD Analogue Input
Composite, Y/C or component RGB (RGB & YPbPr BetaCamTM/MIITM or SMPTE)

SD Standards
525 / 625 NTSC (M, Japan, 4.43), PAL (B, D, G, H, I, M, N, Nc) and SECAM (B, D, G, K, K1, L)

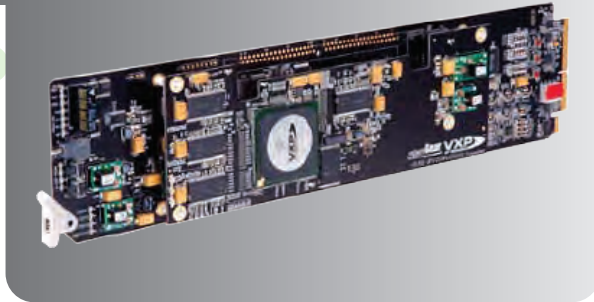
Analogue Gain
Auto or manual mode

Digital Output
Two HD/SD-SDI with EDH

A/D Process
HD: 4:4:4 SD:8:8:8

Resolution
12-bit A to D and 10-bit video data path

Freq. Resp.
HD: Y - 0-25MHz +/- 0.3 dB



HD: Pb/B, Pr/R 0-13.5MHz +/- 0.3 dB
SD: 5.2 MHz +/- 0.25 dB

SD Comb Filter
5-line Adaptive

Proc. Control
Digital control of gain, DC, saturation & hue and audio levels, mapping and CH inversion presets

Audio
Analogue Input
8-CH balanced differential to +24dB

AES Input
16-CH Unbalanced BNC

AES Output

16-CH unbalanced BNC

Embedding
16-CH HD/SD

SRC
24-CH 142 dB S/N

Audio Conv/Proc.
24 bits all modes

A/D Freq. Resp.
20-20KHz +/- 0.25 dB

Level Control
Mute to +100 dB

Size
12.9" x 3" (330mm x 76mm)
For use in openGear™ frames

Features

- Selectable Safe Action, Safe Title, and Centre Cross overlays
- Frame Sync with tracking audio delay
- Audio channel mapping and level control
- Local or remote user configuration & colour proc controls
- HD/SD closed captioning and timecode support
- Internal colour bar generator
- Internal tone generator
- Adjustable audio delay
- 3:2 pulldown and reverse 3:2 pulldown conversion
- 15 user configurable presets
- Remote control/monitoring via DashBoard software or CP-900 remote control panel
- Five year warranty
- HD/SD universal analogue and digital inputs*
- Analogue and AES audio inputs and AES output*
- 24-bit embedding and de-embedding*
- 24-bit analogue audio conversion to AES*
- Differential inputs for power hum rejection*
- 5-Line adaptive comb filter for SD-Composite mode*

*FC061 only



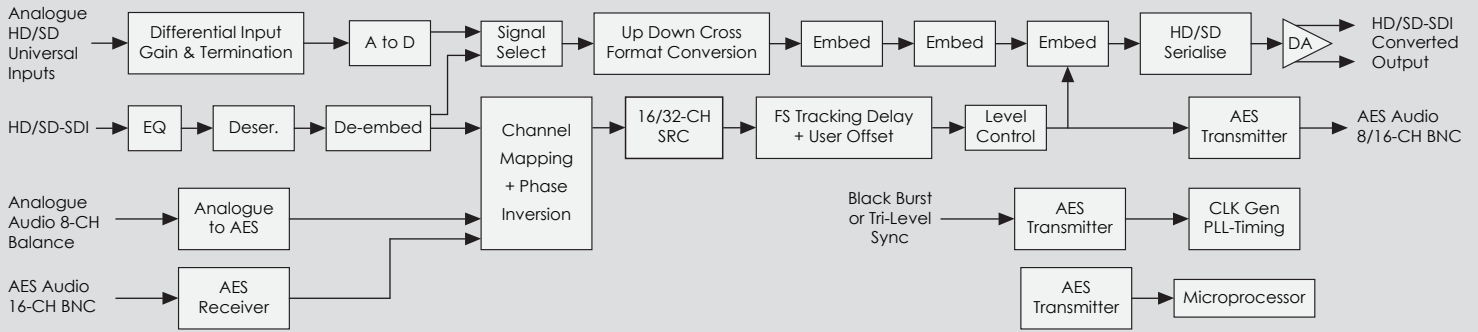
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FC061 Up/Down/Cross Format converter with Video/Audio Analogue Digital Input and Frame Sync Block Diagram



Features and specifications subject to change without notice

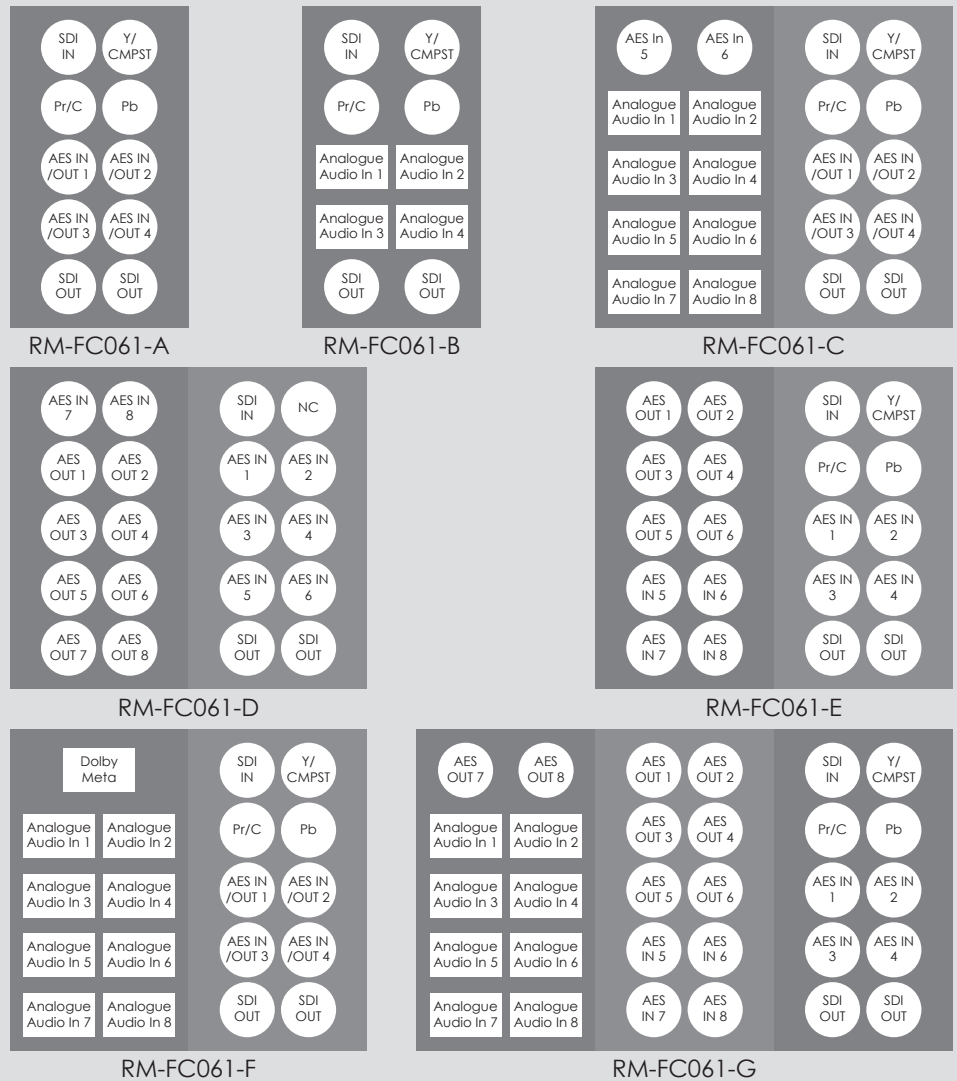
Product Selection Guide

FC061
FC062

| | | |
|--------------------------------|---|---|
| HD/SD-SDI Inputs | 1 | 1 |
| HD/SD-SDI Processed Outputs | 2 | 4 |
| HD/SD-SDI Input Copies | 0 | 4 |
| Analogue Video to SDI | • | • |
| Analogue Audio Conversion | • | • |
| AES Embedding | • | • |
| AES De-Embedding | • | • |
| Frame Synchronisation | • | • |
| Up/Down/Cross Conversion | • | • |
| Down Conversion | • | • |
| HD <-> SD Closed Captioning | • | • |
| HD <-> SD Timecode Conversion | • | • |
| HD <-> SD Emb Audio Conversion | • | • |
| Remote Control | • | • |
| Status Monitoring | • | • |

Rear Modules Available

RM-FC061 Rear Module



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