



Upconverter with Analogue/SDI Input, Audio Embed/De-Embed, Frame Sync, Timecode and Closed Caption Support

The FC066 is equipped with a robust feature set, including a 12-bit conversion bit depth analogue to digital video converter, an SD-SDI input, video proc, analogue and AES audio inputs, audio embedding/de-embedding and routing, frame sync, and user audio/video level controls.

The FC066 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 up conversions. CC data is decoded from line 21 and inserted into the transport stream on a user-selectable line.

The FC066 provides full user remote and card-edge proc control (with user memory) that allows 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

- SD analogue and digital inputs
- Differential analogue video inputs for power hum rejection
- 5-line adaptive comb filter for SD-Composite mode
- Upconversion and aspect ratio conversion
- Detail enhancement and noise reduction
- Selectable safe action, safe title, and center cross overlays
- Analogue and AES audio inputs and AES output
- 24-bit analogue audio conversion to AES
- 24-bit audio embedding and deembedding
- Audio channel mapping and level control
- Audio offset adjustment for lip-sync alignment
- Frame sync with tracking audio delay
- Closed captioning and timecode support
- AFD code insertion and AFD ARC control
- 16 user presets
- Remote control/monitoring via DashBoard™ software
- Five year warranty

Ordering Information

FC066 Upconverter with Analogue/SDI Input, Audio Embed/De-Embed, Frame Sync, Timecode and Closed Caption Support

RM-FC066-A Rear I/O Module (Single Slot) Analogue and Digital Video Input, 4 AES In/Out BNCs, and 2 SDI Output BNCs

RM-FC066-B Rear I/O Module (Single Slot) Analogue and Digital Video Input, 4 analogue Audio Inputs, and 2 SDI Output BNCs

RM-FC066-C Rear I/O Module (Double Slot) Analogue and Digital Video Input, 2 AES In BNCs, 4 AES In/Out BNCs, 8 Analogue Audio Inputs, and 2 SDI Output BNCs

RM-FC066-D Rear I/O Module (Double Slot) Digital Video Input, 4 AES In BNCs, 4 AES In/Out BNCs, 8 AES Out BNCs, and 2 SDI Output BNCs

RM-FC066-E Rear I/O Module (Double Slot) Analogue and Digital Video Input, 4 AES In BNCs, 4 AES In/Out BNCs, 6 AES Out BNCs, and 2 SDI Output BNCs

RM-FC066-F Rear I/O Module (Double Slot) Analogue and Digital Video In, 4 AES In/Out BNCs, 8 Analogue Audio In, Metadata Output, and 2 SDI Output BNCs

RM-FC066-G Rear I/O Module (Triple Slot) Analogue and Digital Video In, 8 AES In BNCs, 8 AES Out BNCs, 8 Analogue Audio In, and 2 SDI Output BNCs



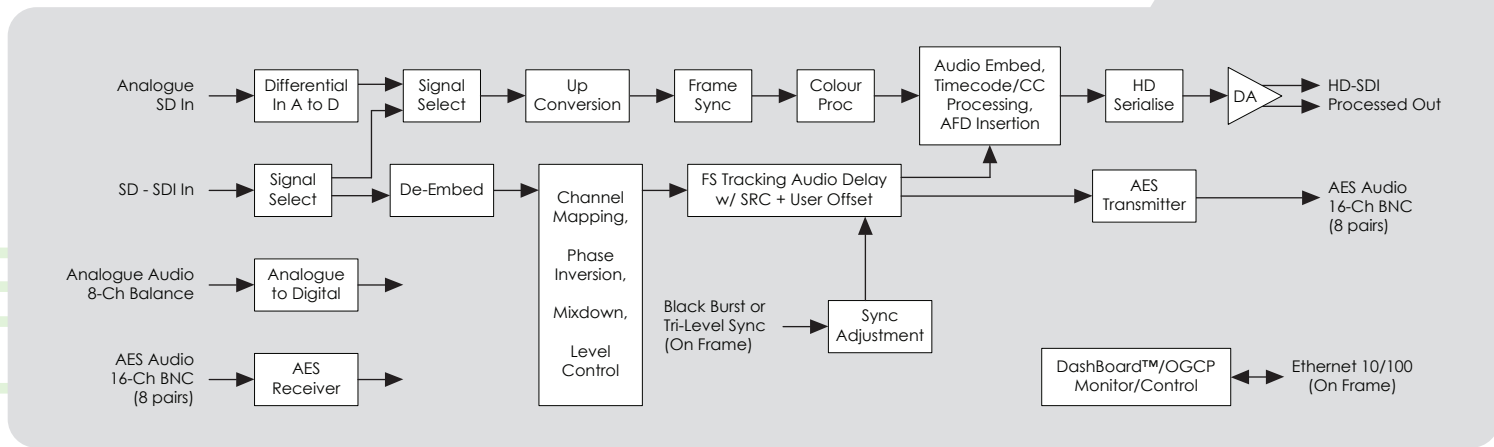
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INVICTA WORKS ELLIOTT ROAD, BROMLEY, KENT, BR2 9NT UK

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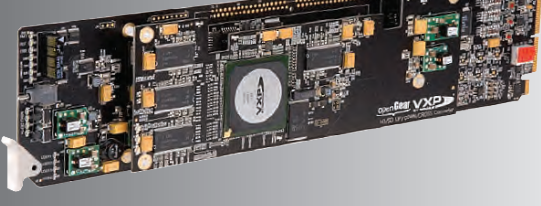
E-MAIL: SALES@MICHAEL-STEVENSON.COM WEB: WWW.CHROMATEC.COM WEB: WWW.MICHAEL-STEVENSON.COM

FC066 - Block Diagram



Features and specifications subject to change without notice

Specifications

<p>Electrical Power: 23 watts</p> <p>HD/SD-SDI Input Number of Inputs: 1 Standard: SMPTE 292 and 259M Return Loss: >15 dB at 5 MHz - 1.485 GHz</p> <p>Analogue Video Input HD Standard: YPbPr or RGB SMPTE SD Standard: Composite, Y/C or Component (YPbPr BetaCam™, MII™ or SMPTE/N10) Impedance: 75 Ω</p> <p>AES Input Number of Inputs: 16-Ch unbalanced BNC Impedance: 75 Ω Input Level: 0.1 V to 2.5 V p-p (5 V p-p tolerant) Resolution: 24-bit</p> <p>Analogue Audio Input Number of Inputs: 8-Ch Balanced Signal Level: up to +24 dBu Sample Rate: 48 kHz</p>	<p>Reference Video Input Number of Inputs: 2 looping (openGear™ frame) Standard: Tri-level sync (SMPTE 274) and Black Burst (NTSC and PAL)</p> <p>Processing A/D Conversion: HD: 4:4:4 SD: 8:8:8 Quantization: 12-bit A to D and 10-bit video data path SD Comb Filter: 5-line adaptive Freq. Response: HD: Y - 0-25 MHz +/- 0.3 dB HD: Pb, Pr 0-13.5 MHz +/- 0.3 dB SD: 5.2 MHz +/- 0.25 dB</p> <p>AES Output Number of outputs: 16-Ch unbalanced BNC Impedance: 75 Ω Sample Rate: 48 kHz Resolution: 24-bit</p>	 <p>HD/SD-SDI Output Number of outputs: 2 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</p>
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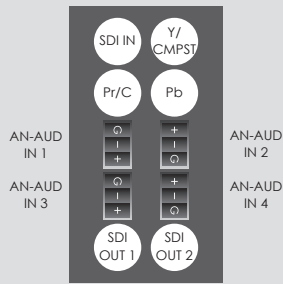




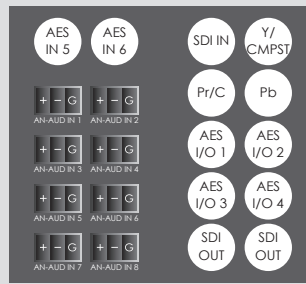
Rear Module Options



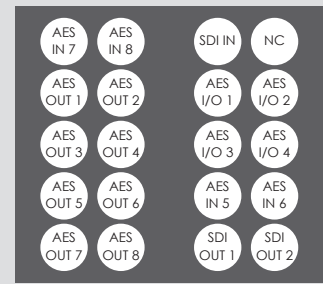
RM-FC066-A



RM-FC066-B

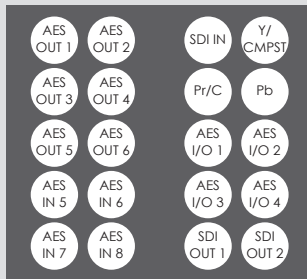


RM-FC066-C

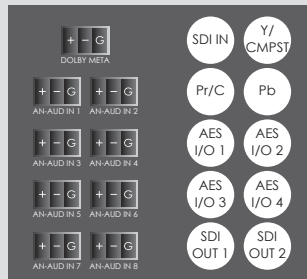


RM-FC066-D

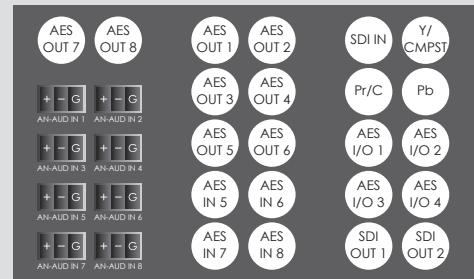
Rear Module Options



RM-FC066-E



RM-FC066-F



RM-FC066-G



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