

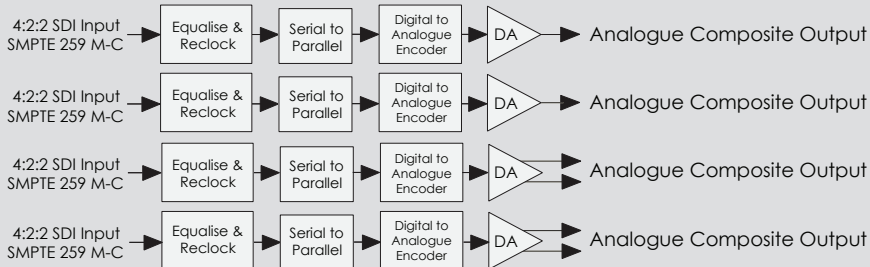
Standard Definition D/A 10-bit SDI to Analogue Composite, Y/C and Component

The DC018 is a high-performance quad 4:2:2 serial digital video to analogue composite converter card for use with openGear™ frames.

Gain, status LED and configuration switches are all mounted on the board edge to allow adjustments and configuration without having to remove the board from the

frame. Configuration switches allow for setup on/off (NTSC only), VBI blanking on/off and test colour bars on/off (requires 270 Mbit to clock bars). Other features include: true sync output levels of -286mV and low power consumption plus remote monitoring (Including power and temperature) via PC through Dashboard software.

DC011 SDI to Analogue - Block Diagram



Features and specifications subject to change without notice

Digital to Analogue Converters Features

- Four conversions on one card (SDI SMPTE 259M-C)
- 8-bit input, 10-bit DAC
- Remote monitoring via PC (Including power and temperature)
- Built-in colour bar generator (Requires SDI clocking input)
- Automatic configuration NTSC/PAL
- colour encoding user selectable to B&W
- User gain control in-frame accessible from card edge
- User setup switches in-frame accessible from card edge
- Data-lock indicator
- VBI blanking on/off
- Five year warranty

Specifications

Input

(4) 270 Mbit SMPTE 259M-C

Output

(4) Analogue composite video

Frequency Response

0-5 MHz +/- 0.25 dB

K-Factor

2T < 1.5%

Noise

< 70 dB

Chroma Luma Delay

< 2 nS

Power

Positive rail 7.5 watts; negative rail

0.5 watts

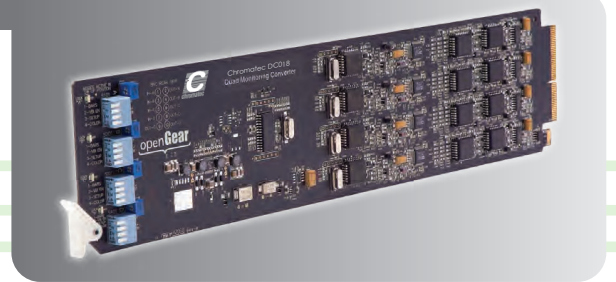
Indicators

Data lock – one per converter

Size

12.9" x 3" (33mm x 7.5mm)

For use with openGear™ frames



RM-DC018-A Rear Con.

A SDI In	1	2	A Composite Out
B SDI In	3	4	B Composite Out
C SDI In	5	6	C Composite Out
D SDI In	7	8	D Composite Out
C Composite Out	9	10	D Composite Out

Rear Connections - BNC I/O



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