

# SDC200

SDI to analogue PAL/NTSC converters

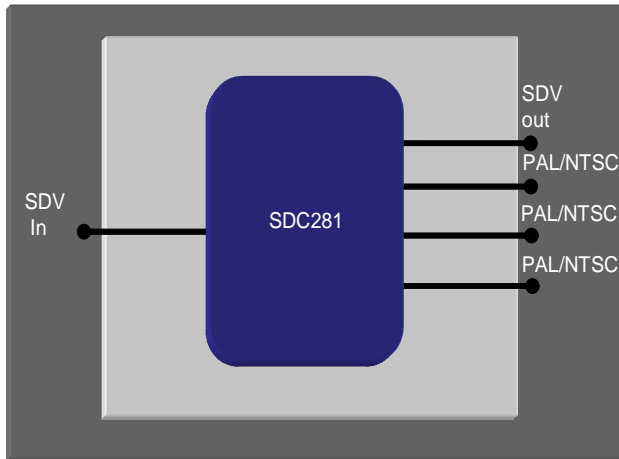
INSERTERS

SWITCHES

CONVERSION

KEYERS

MIXERS



Low cost monitoring D/A

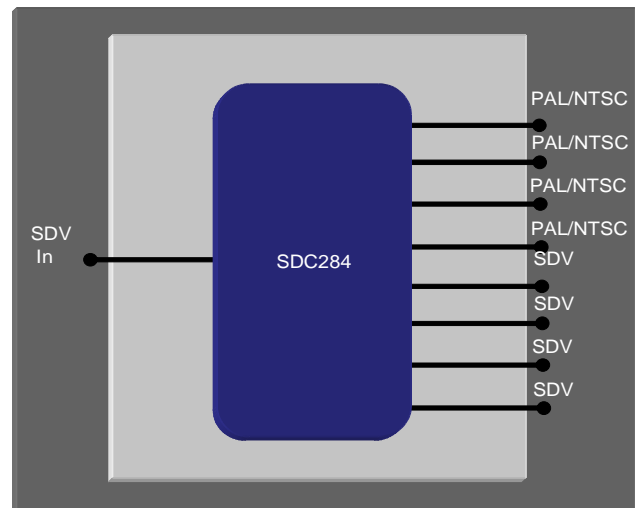
10 bit conversion process

Internal test signal generator

Blank or Pass through VBI data

Multiple analogue PAL/NTSC outputs

Eurocard plug-in modules



These low cost converter modules offer a wide range of features and options. The PAL/NTSC coder is fully digital, providing excellent stability. It uses over-sampling conversion giving near broadcast filtering at low cost. The subcarrier frequency is digitally synthesised from the serial input and for PAL incorporates the correct 25Hz offset. The full range of digital input values are converted allowing sub-black and above white signals to pass. The VBI can be either blanked or passed through making this board suitable for conversion of teletext and other VBI data. These cards are part of the Series 200 and can be mixed in our 1U or 3U frames with other cards in the range.

## MicroVideo

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## Technical Information

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- Inputs:** 270Mb/s serial digital component video to EBU Tech. 3267-E, (SMPTE 259M).  
8 bit YUV samples are used but internal processing and digital to analogue conversion is done to 10 bit resolution.
- Outputs:** Analogue: Composite NTSC/PAL. All outputs on BNC (75R). Video Level 1V p-p  
Digital: Equalised and reclocked serial output(s) for SDV (270Mb/s).
- Control:** Adjustment of analogue video gain is provided.  
Test Mode internally generates a modulated ramp pattern on the PAL/NTSC outputs VBI blank or passed through. PAL lines 2-22, 329-335 and NTSC lines 10-20, 273-282. Auto switching between PAL /NTSC can be enabled.
- Physical:** Eurocard size module for mounting in our 1U or 3U frames
- Power usage:** 5W
- Frames:** Up to 6 modules will fit in a Microvideo 1U frame and 15 in a 3U frame
- Ordering:**
- |         |  |
|---------|--|
| SDC281  | SDV to PAL/NTSC module, 1 reclocked digital output       |
| SDC282  | SDV to PAL/NTSC module, 2 reclocked digital output       |
| SDC284  | SDV to PAL/NTSC module, 4 reclocked digital outputs      |
| FR1U-20 | 1U rack mounting frame for series 200 cards (dual PSU)   |
| FR3U-10 | 3U rack mounting frame for series 200 cards (single PSU) |
| FR3U-20 | 3U rack mounting frame for series 200 cards (dual PSU)   |

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