

PANORAMA^{dv} the Video Division of Wohler

SDADC ANALOG VIDEO AND AUDIO TO SDI CONVERTER



Wohler Solutions:
Unsurpassed Quality, Service,
and Value Delivered by the
Leader in Broadcast Monitoring
Applications

The SDADC is a low cost, high quality, miniature converter that is ideal for conversion of analog video and audio to SDI in the modern broadcast studio environment.

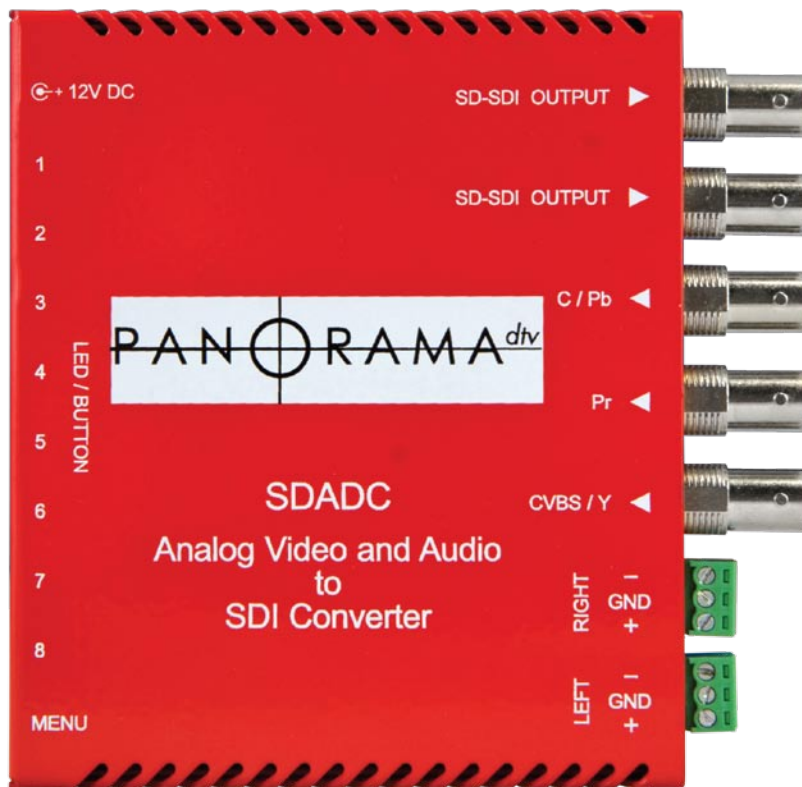
This unit features standard BNC connections for video plus Phoenix connectors for balanced or unbalanced audio. Video may be component, Y/C, or composite. An extensive selection of user controllable overlay and menu functions are available via an easy to use rotary encoder. LEDs and push buttons are used for instant status and control indication.

Two channels of analog audio, either balanced or un-balanced, can be embedded into the SDI signal converted from the analog video input. The analog audio input gain, and digital output level can be adjusted via the control menu.

Additional features include graticule and aspect ratio selection. The unit features the ability to generate a wide variety of useful video test patterns and audio test tones. Two LEDs on the units rear panel indicate power and SDI signal lock status. Size of the unit is relatively small with dimensions of 4.37" x 3.97" x 1.06". Power is provided by an optional external 12V power supply.

FEATURES

- 4X OVERSAMPLING VIDEO ADCs
- VIDEO PROCESS ADJUSTMENTS FOR OUTPUT
- 12-BIT VIDEO PROCESS
- SELECTABLE VIDEO INPUT
- VIDEO INPUT VIA BNC CONNECTORS
- PAL OR NTSC AUTOMATIC DETECTION
- 2 (ONE STEREO PAIR) BALANCED OR UNBALANCED AUDIO INPUTS VIA PHOENIX STYLE CONNECTORS
- SELECTABLE AUDIO INPUT IMPEDENCE LEVELS (+4, 0, -2, -5, -7.78 (-10 dBV))
- SAFE ACTION GRATICULE GENERATOR
- SAFE TITLE GRATICULE GENERATOR
- 32 VIDEO TEST PATTERNS, INCLUDING 4 MOVING AND 4 STATIC ZONEPLATES
- SELECTABLE 7.5 IRE SET-UP ON OR OFF (PEDESTAL)
- TONE/BROKEN TONE AUDIO GENERATOR
- AC OPERATION REQUIRES UNIVERSAL POWER SUPPLY WITH LOCKING CONNECTOR (OPTIONAL PURCHASE)



BENEFITS

- **Low Cost Solution** – 10-bit image quality delivered for an 8-bit price point
- **Flexible** – An adjustable video process, and versatile audio conversion allows precision installations in any system
- **Uncompromising** – 12-bit over-sampling video processing provides the best color gamut available, with automatic noise cancellation for low quality video signals
- **Time-Saving** – Built-in test generator functions can be used to validate digital signal path integrity

SPECIFICATIONS

Input	Video: User defined for video signals (3 x 75 ohm BNC) Audio: balanced or unbalanced (2 x Phoenix Style connectors)
Output	SDI: video with embedded audio, 10-bit SMPTE 259M/ITU-R BT.601 (2 x BNC) selectable 625/525 for internal test signal, EDH on/off Video adjust: chroma phase, color saturation and luminance Audio: embedded mono/stereo pair can be assigned group 1, 2, 3 or 4 Audio gain: +/- 6 dB
Video Formats	Select one signal Y-Pb-Pr, Y/C, CVBS – NTSC/PAL auto-select
Production Aides	Graticule overlay for safe title, safe area, center cross and aspect
Audio Levels	Selectable +4, 0, -2, -5, -7.78, -8 or -10 dBu
Audio Test Patterns	Audio OFF Pattern 1: 1 kHz on left channel, 1 kHz broken on right Pattern 2: 1 kHz broken on left channel, 1 kHz on right Pattern 3: 1 kHz on left channel, 1 kHz on right
Video Test Patterns:	100% color bars, 75% color bars, 100% color bars and red, check-field matrix, 4:3 square, 16:9 square, 5 step staircase, valid 5 step modulated staircase, limit ramp, shallow ramp, multiburst 60% sweep with markers, full fieldline 17 ITS, convergence, tartan bars, 1 field in 8 white, white, black, red, green, blue, magenta, cyan, static x frequency sweep lo zoneplate, static x frequency sweep hi zoneplate, static y frequency sweep zoneplate, moving x bars zoneplate, moving y bars zoneplate, moving xy bars zoneplate, static circular zoneplate, moving circular zoneplate
Power Requirements	12 VDC optional power supply
Dimensions	4.37 x 3.97 x 1.06 (inch), 111 x 101 x 27 (mm)

*Specifications and features subject to change. 11/07

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