

ADVC3000

HIGH-QUALITY ANALOG/DIGITAL VIDEO CONVERSION

Housed in a 2 rack-unit design, the ADVC3000 combines and enhances the features of our ADVC700 and ADVC1000 converters—and, in addition, can convert between analog and DV, DV and SD-SDI, and analog and SD-SDI.



The ADVC® 3000 is designed to meet the conversion requirements of broadcasters, cable operators, video professionals, and post-production operations.

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Perfect Signal Synchronization

In studio environments, frame accuracy is essential for precise offline/online editing. The ADVC3000 delivers this accuracy through its use of PerfectSync technology.

PerfectSync technology controls and synchronizes the transfer rate of FireWire (IEEE 1394a) communication with an external reference signal. This process prevents skipped and duplicate frames and produces perfect frames during analog-to-DV and SDI-to-DV conversion.

By contrast, many analog-to-DV converters adjust their output by skipping and/or duplicating frames to synchronize the DV signal to an external sync signal's frame frequency. In these converters, there is no guarantee that all input frames will output to DV accurately without frame repetition and/or frame drops.

DV Signal Conversion For VTR Control

The ADVC3000 converts DV device control signals to RS-422 signals for external VTR control. Such control makes it possible to take in data from professional VTRs, such as Digital Betacam decks, through any standard DV editing software that features DV device control.

KEY FEATURES

- Connects broadcast video equipment to FireWire (IEEE 1394a)-equipped computers for video editing
- Converts common broadcast digital and analog video and audio formats
- Rack-mount capable (rack mount brackets included)
- Compatible with Windows (including Windows 7) and Mac operating system-based DV editing systems
- Compatible with leading editing and DVD authoring applications including Grass Valley™ EDIUS®, Sony Vegas, Apple Final Cut Pro and iMovie, Avid Xpress DV, Adobe Premiere Pro, Avid Liquid, Ulead MediaStudio Pro, and Windows Movie Maker
- No drivers or software applications to install
- NTSC and PAL compatible
- Works with many FireWire 800 (IEEE 1394b)-equipped computers by means of an appropriate adapter cable (customer supplied)



PACKAGE CONTENTS

- ADVC3000 converter unit
- Power cable and clamp
- User manual
- 1 x FireWire (IEEE 1394a) cable (4-pin to 6-pin)
- Rack-mount brackets

SPECIFICATIONS

Video Format

NTSC, PAL, SECAM (input only)

Digital Video

- 4-pin FireWire (IEEE 1394a)
- 6-pin FireWire (IEEE 1394a)
- SDI in (BNC)
- SDI active-through (BNC)
- 2 x SDI out (BNC)

Analog Video Input

S-Video composite (RCA), component (3 x BNC)

Analog Audio Input

- Stereo unbalanced (2 x RCA)
- 4-channel balanced (2 x XLR-3-31 female; 1-gnd, 2-hot, 3-cold)

Analog Video Output

S-Video, composite (BNC), component Y,Pb,Pr (3 x BNC)

Analog Audio Output

- Stereo unbalanced (2 x RCA)
- 4-channel balanced (2 x XLR-3-32 male; 1-gnd, 2-hot, 3-cold)

Time Code

- LTC in (BNC)
- LTC out (BNC)
- VITC in (decoded from SDI input)
- VITC out (encoded in SDI output, line selection available)

Reference

- Input (BNC)
- Loop-through (BNC)
- Output (BNC)

Device Control

- AV/C over IEEE 1394a
- RS-422A (bi-directional conversion)

Display

- LCD configuration menu, stereo audio peak
- Meters: -48 dB to 0 dB (FS) display, -17 dB to 0 dB (FS) peak hold

Power

100-240V AC

Environmental Characteristics

- Operating temperature: 10 to 35°C
- Storage temperature: -20 to 60°C
- Maximum humidity: 80%

Dimensions

- Width: 430 mm (16.93 in.)
- Height: 88 mm (3.46 in.)
- Depth: 270 mm (10.63 in.)

Minimum System Requirements

Windows PC

- Windows 2000 (Service Pack 3 or higher)
- Windows XP Home, Windows XP Professional (Service Pack 1 or higher)
- Windows Vista Home Basic, Windows Vista Home Premium, Windows Vista Business, Windows Vista Ultimate (Service Pack 1 or higher)
- Windows 7 Home Premium, Windows 7 Professional, Windows 7 Ultimate
- DirectX 8.0 or higher

Mac

- Mac OS X (10.2.7/10.2.8/10.3/10.4.x /10.5/10.6)

Note: A video-capture card or OHCI FireWire (IEEE 1394) connection is required to capture DV.

DEALERS/RESELLERS

To find your local reseller or dealer for Grass Valley professional audio video products, please visit professional.grassvalley.com/sales/.

SERVICE & SUPPORT

Twelve-month limited warranty with service provided through local resellers. Additional support available on a contractual basis.