

ACCESSORIES



PFT-100
Firewire Scan Converter

CAD-01
Balanced to Unbalanced
audio attenuator

BAC-03
Balanced/Unbalanced
audio converter

1066/2066/4066
10/20/40 Meter IEEE1394 Cable

VP-314 & VP-332
DV Repeater

SPECIFICATIONS

ITEM	DAC-100	DAC-5	DAC-6	DAC-10	DAC-30/ DAC-30R
General					
Product Type	External Device	External Device	External Device	External Device	External Device
Power Requirements	DC5V/ 6W	DC12V/ 12W	DC12V/10W	DC12V/10W	DC12V/ 18W
Video I/O					
Component (Y, Cr, Cb)	No	Output only	Output only	1	1
Composite	1 (RCA)	Output only	Output only	1	1
Y/C (S-video)	1	Output only	Output only	1	1
DV / IEEE1394	2 X 6pin	2 X 6pin	2 X 6pin	2 X 6pin	3 X 6pin
SDI SMPTE 259M-C (270Mbps)	No	1	No	No	1
DV Compress Rate (NTSC)	4:1:1	4:1:1	4:1:1	4:1:1	4:1:1
DV Compress Rate (PAL)	4:2:0	4:2:0	4:2:0	4:2:0	4:2:0
DV format (DV25)	25Mbps	25Mbps	25Mbps	25Mbps	25Mbps
Analog Bandwidth	>4.5MHz	>5.0MHz	>5.0MHz	>5.0MHz	>5.0MHz
S/N Ratio	>48dB	>50dB	>50dB	>50dB	>50dB
Color Correction					
Brightness	No	No	No	+/-30%	+/-30%
Contrast	No	No	No	+3/-6dB	+3/-6dB
Color	No	No	No	+6/-10dB	+6/-10dB
Tint	No	No	No	+/-20°(NTSC only)	+/-20°(NTSC only)
Audio I/O					
Analog Unbalanced	1 (Stereo)	Output only	Output only	1 (Stereo)	2 Channels
Analog Balanced	No	No	No	No	2 Channels
DV Audio	48K/32KHz two channels unlocked	48K/32KHz two channels locked	48K/32KHz two channels locked	48K/32KHz two channels locked	48K/32KHz two channels locked
AES/EBU Digital Audio	No	AES-3id (SMPTE 276M)	No	No	AES-3id (SMPTE 276M)
Analog Bandwidth	20-20KHz	20-20KHz	20-20KHz	20-20KHz	20-20KHz
S/N Ratio	>60dB	>65dB	>65dB	>65dB	>65dB
DIP Switch Functions					
NTSC/PAL support	Yes	Yes	Yes	Yes	Yes
Video Setup	0 or 7.5 IRE	0 or 7.5 IRE	0 or 7.5 IRE	0 or 7.5 IRE	0 or 7.5 IRE
Auto/Manual Signal Detection	Yes	Yes	Yes	Yes	Yes
Locked & unlocked Audio	Yes	Yes	Yes	Yes	Yes
Windows platform	Yes	Yes	Yes	Yes	Yes
Others					
Audio Volume Calibration	No	No	No	Yes	Yes
Audio VU meter	No	LED	No	No	Yes
Time Code by RS422	No	No	No	No	Yes
Color Bar Output	Analog only	Analog only	No	Analog only	Analog only
Black Burst/Gen lock output	No	Yes	No	Yes	Yes
Built in TBC & 3D Noise Filter	No	No	No	No	Yes
Comb Filter	No	No	No	No	* Yes(NTSC only)
RS 422	No	No	No	No	Trick Mode control
Compatible OS					
Window 98/ME/2000/XP	Yes	Yes	Yes	Yes	Yes
Power Mac/Imac	Yes	Yes	Yes	Yes	Yes

* Comb filter can not work with 3D Noise Filter at the same time.

datavideo®
www.datavideo-tek.com

Datavideo Corporation USA
12300-U East Washington Blvd.
Whittier, CA 90606
U.S.A.
Tel: +1-562-696 2324
Fax: +1-562-696 6930
E-mail: con@datavideo.com

Datavideo Technologies China Co.
2F-D, No. 2, Lane 777, West
Guangsheng Rd., Zhabei District,
Shanghai, China
Tel: +86-21-5603 6599
Fax: +86-21-5603 6773
E-mail: service@datavideo.cn

Datavideo Technologies Europe BV
Californiadreef 26
3545 BL Utrecht,
The Netherlands
Tel: +31-30-261 96 58
Fax: +31-30-261 96 57
E-mail: info@datavideo.nl

Datavideo Technologies (S) PTE Ltd.
100 Lorong 23, Geylang,
#01-03 D'Centennial Bldg
Singapore 388398
Tel: +65-6749 4866
Fax: +65-6749 3366
E-mail: info@datavideo.sg

Datavideo UK Limited
Unit 2 Watenside Business Park
Hadfield, Glossop,
Derbyshire S12 1BE, UK
Tel: +44-1457 851000
Fax: +44-1457 850964
E-mail: sales@datavideo.co.uk

Datavideo Technologies Co., Ltd.
10F, No. 176, Jian-Yi Rd.,
Chung Ho City, Taipei Hsien
Taiwan, 235.
Tel: +886-2-8227 2888
Fax: +886-2-8227 2777
E-mail: info@datavideo.com.tw

datavideo®
www.datavideo-tek.com



THE BRIDGE BETWEEN ANALOG AND DIGITAL

Datavideo converters give you maximum video bandwidth and accurate color reproduction, they will deliver superb highlight and shadow detail. Videomakers, producers and videographers now have a simple and complete solution for transferring video and audio back and forth from analog to digital.

Datavideo offer a full range of bi-directional digital to analog video and audio converters, from broadcasters to consumers there is a Datavideo converter to meet your needs. The DAC series cover all the most popular standards, such as SDI (serial digital interface) and DV25 format. All analog formats are also covered with Component Y.U.V., S (y/C), and Composite video interfaces as well as balanced and unbalanced audio options.

APPLICATION

Works with popular
Non-Linear Editing Systems



AVID



FINAL CUT PRO



ADOBE PREMIERE

DIGITAL ← → ANALOG
The Bridge Between DV and Analog

FEATURES

- NTSC (525 lines/60Hz), PAL (625 lines /50Hz) Video Standard.
- Selectable Video level setup at 0 IRE or 7.5 IRE
- Selectable audio sampling rate; 32KHz (12-bit) or 48 KHz (16-bit) for audio input.
- Analog audio separate channels input level calibration(DAC10, DAC30 only).
- System memory restores the last setup parameter as the next booting default
- Highly compatible with PC, and Mac platform
- Work perfectly with most NLE systems, such as AVID, Adobe Premiere, Final Cut Pro, and Pinnacle.
- Provides Bus Power Via IEEE1394 interface (Except DAC-100)
- Built in TBC and 3D noise filter

REAR PANEL

DAC-100



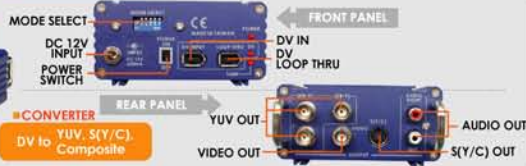
CONVERTER
DV, Composite, S(Y/C) bi-directional

DAC-5



CONVERTER
SDI<->DV, (YUV, Composite, S(Y/C) monitoring)

DAC-6



CONVERTER
DV to YUV, S(Y/C), Composite

DAC-10



CONVERTER
DV, YUV, Composite, S(Y/C) bi-directional

DAC-30



CONVERTER
SDI, DV, YUV, Composite, S(Y/C) bi-directional

DAC-30R



CONVERTER
SDI, DV, YUV, Composite, S(Y/C) bi-directional



DAC-5JF(OPTIONAL)

DAC-5JF

A 19" Rack Mount assembly set for DAC-5 or DAC-10

DAC-5 DAC-10

DAC-5JF with DAC-5 DAC-5JF with DAC-5 & DAC-10



INSTALLATION

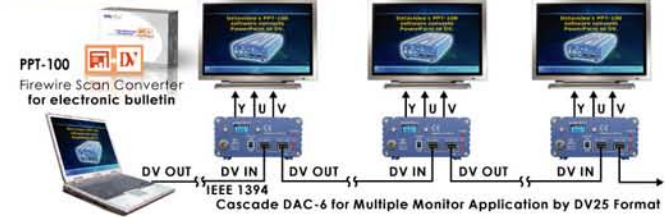
DAC-10 INSTALLATION



DAC-30 INSTALLATION



DAC-6 INSTALLATION



DAC SERIES COMPARISON CHART

ITEMS	DAC-100	DAC-5	DAC-6	DAC-10	DAC-30/ DAC-30R
DV In and Out Jack (6 PIN)	2	2	2	2	3
S(Y/C) and Composite Video In and Out	○	Output Only	Output Only	○	○
Component YUV In and Out		Output only	Output only	○	○
Color Processor				○	○
Audio Input Level Calibration				○	○
Balanced Audio In and Out					○
Audio VU Meter				LED meter	○
TBC & 3D Noise Filter					○
RS422 Interface(Sony Control Protocol)					○
SDI In and out		○			○
Time Code by RS422 interface					○
Digital Audio AES/EBU		○			○
Color Bar Output (Analog)	○			○	○
PAL/NTSC Support	○	○	○	○	○
Video Setup 0 or 7.5 IRE Selectable	○		○	○	○
optionsAudio Lock	○	○			○
Level Loss after Converted	Less than 5%	Less than 3%	Less than 3%	Less than 3%	Less than 3%
DC Input Voltage	DC 5V	DC 12V	DC 12V	DC 12V	DC 12V