

- **Composite and S-Video Inputs and Outputs**

- **Component Digital 4:2:2 Processing**

- **Compatible with RC-2000/2001 Remote**

- **Film Strobe Effect**

- **GPI Freeze Trigger**

- **Full Proc Amp Controls**

- **Wideband Version Available**



The DPS Personal TBC IV is the latest in a series of time base corrector cards from the company that invented the Personal TBC, Digital Processing Systems. Utilizing component digital 4:2:2 processing, the TBC IV features composite and wideband S-Video (Y/C) inputs and outputs. Whether used in an AMIGA or IBM PC compatible computer or mounted in a DPS ES-2000 series rackmount expansion chassis, the TBC IV is a capable performer.

The DPS Personal TBC IV is fully compatible with previous DPS Personal Series products including the Personal TBC II, TBC III and V-Scope. It can be controlled using the standard AmigaDOS, MS-DOS and Windows control software or via a DPS RC-2000 or RC-2001 multi-channel remote control unit. Adjustments include full proc amp and

color balance, horizontal & vertical Y/C delay, freeze field, freeze frame, variable strobe, film-mode strobe, GPI freeze, memory store/recall and genlock timing.

When combined with a DPS Personal Animation Recorder, the Personal TBC IV takes on an entirely different role. The TBC IV functions as a live video capture board for the DR-2100 and DR-2150 PAR cards. A digital CVE (Component Video Exchange) port is provided on the TBC IV which connects to a matching header on the PAR card. With this combination, you can record live video on the animator's hard drive in real time.

SPECIFICATIONS

Specifications and designs are subject to change without notice

Component Transcoding TBC

NTSC Video Input 1 Vp-p

S-Video Input

Y Input 1 Vp-p
 C Input 286mVp-p burst level
 GPI Freeze Trigger TTL or Contact Closure
 NTSC Video Output 1 Vp-p

S-Video Output

Y Output 1 Vp-p
 C Output 286mVp-p burst level
 Reference Video Input (Loop or 75 Ohm-Term) 1 Vp-p
 Advanced Sync Output 2 Vp-p

Bandwidth

S-Video mode 5.5 MHz
 NTSC mode* 5.5 MHz
 Correction Window Infinite
 Signal-to-Noise >58dB
 Differential Phase <2 degrees
 Differential Gain <2%

K Factor

Y/C Input 1%
 NTSC Input 3%
 Residual Time
 Base Error 1%
 Serial Data Input RS-232 Levels @ 31,250 or 9,600 BPS

Proc Amp Controls

Video Level ± 3 dB
 Black Level ± 20 IRE
 Chroma Level ± 6 dB
 Hue Phase ± 45 degrees
 Horiz Pos ± 1µS

Color Balance

R-Y Shift ± 20%
 B-Y Shift ± 20%

Timing

Genlock Coarse ± 4µS
 Genlock Fine ± 360 degrees
 Y/C Horizontal Delay -560 nS to +490 nS
 Y/C Vertical Delay + 1/-2 Lines

Power Consumption

8.4 Watts
 +5V @ 500mA
 +12V @ 400mA
 -12V @ 90mA

* 5.5 MHz Luminance Frequency Response with Optional DC-2600 three line adaptive comb filter option, 2.5 MHz (-3 dB) otherwise.

ORDERING INFORMATION

VT-2600	Personal TBC IV
VT-2600WB	Personal TBC IV Plus
RC-2000	8-Channel Desktop Remote Control Unit
RC-2001	Multi-Channel Remote Control Unit