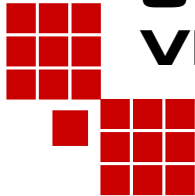


**TRANSFORM
COMPUTER
GRAPHICS
TO THE HIGHEST QUALITY
BROADCAST
STANDARD
VIDEO**



VIDEOLINK 1690

VIDEO SCAN CONVERTER

**THE LINK BETWEEN
COMPUTER GRAPHICS
& VIDEO**



Videolink® 1690 video scan converter transforms computer graphics and other signals to broadcast standard video. Computer generated images can then be recorded, broadcast, displayed or transmitted using ordinary video equipment.

The unit offers NTSC/PAL composite video, S-Video (S-VHS, Hi-8) and component analog video (Betacam/MII) outputs. SMPTE 259M digital output is available as an option. State-of-the-art digital signal processing circuitry eliminates interlace flicker in the output image. Even thin horizontal lines appear stable. Multiple levels of filtering offer you the best choice between image sharpness and flicker elimination.

A zoom function lets you scale a portion of the image for emphasis or to provide just the right amount of underscan/overscan adjustment.

Videolink 1690 provides automatic synchronization to computer signals up to 1600 x 1200 pixels, including virtually all desktop computers and workstations.

Professional quality scan conversion has never been easier.

Up to 1600 x 1200
pixel input

Composite NTSC/ PAL,
S-Video, RGB,
Y P_B P_R output

CCIR 601/SMPTE 259M
digital video output
option

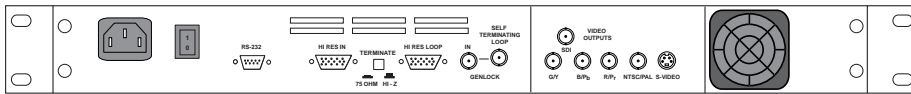
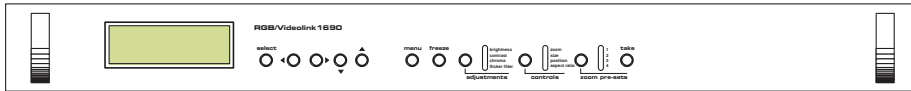
16 levels of flicker
filtering

Autosync

Genlock

Pan & zoom

Full 24-bit color



Computer Inputs

Type: RGB analog video
 Interface: 1:1, 2:1 (interlaced or non-interlaced)
 Amplitude: 0.5 V to 1.0 V peak-peak (black level to white level)
 Pedestal: 0 to 120 mV
 Impedance: Bridging or 75 Ω , switchable
 Connectors: 15-pin HD D-Sub (female)
 Resolution: 640 x 480 to 1600 x 1200
 Scan Rate: 15 kHz to 150 kHz
 Sync Type: Sync on green, separate composite sync,
 or separate horizontal drive and vertical drive
 Sync on green: 200 mV to 400 mV
 Separate sync: 1.0 V to 4.0 V; polarity negative/positive

Video Outputs

Scan Rate 15.734 kHz, 29.97 Hz / 15.625 kHz, 25 Hz

Composite (NTSC/PAL) Differential phase < 2 degrees
 Differential gain < 2%
 K2T < 1%
 KPB < 2%
 Connector BNC

S-Video Standard S-Video levels on a 4 pin mini-DIN connector

CAV RGB and Y P_B P_R on BNCs

Digital SMPTE 259M on BNC (option)

Genlock Composite video (NTSC/PAL), black burst

Controls	Brightness	Zoom	Size
	Contrast	Pan	Position
	Saturation	Zoom presets	Freeze
	Gamma	Aspect ratio	Genlock adjustment

Serial Communications

Type RS-232, on DB9 connector (female)
 Data 8 bits, 1 start, 1 stop
 Echo User selectable
 Baud rate 4800, 9600, 19200, 38400, 57600, 115200

Physical

Dimensions: W x D x H 19" (49.26 cm) x 8" (20.32 cm) x 1.75" (4.45 cm)
 Weight: 8.3 lbs (18.3 kg)
 Power: 90-132V AC or 180-264V AC Autoranging
 < 40W