

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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THE LINK BETWEEN COMPUTER GRAPHICS & VIDEO

The RGB/Videolink 1650 video scan converter transforms computer signals to broadcast standard video in real time. Computer generated images can then be recorded on videotape or displayed on video projectors, teleconferencing systems and composite monitors.



INTRODUCING . . .
THE RGB/VIDEOLINK® 1650

Autosync

Up to 1600 x 1200 pixel input

Interlaced or non-interlaced

Flicker elimination

Broadcast quality NTSC *and* PAL composite video

S-Video, Y, P_B, P_R RGB video outputs

Pan and zoom

Zoom presets

Full 24-bit color

Genlock

The RGB/Videolink 1650 automatically synchronizes to computer signals up to 1600 x 1200 pixels. This includes virtually all desktop computers and workstations from Sun, DEC, HP, IBM, Silicon Graphics and others.

The unit offers selectable NTSC/PAL composite video, S-Video (S-VHS, Hi-8) and component analog video (Betacam/MII) outputs for recording.

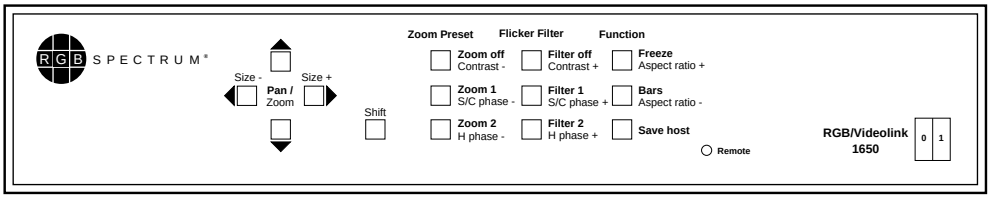
State-of-the-art digital signal processing (DSP) circuitry eliminates interlace flicker in the output image. Even thin horizontal lines appear stable. Three levels of filtering offer you the best choice between image sharpness and flicker elimination.

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

Synchronization and set-up are completely automatic. The RGB/Videolink 1650 measures the input signal and sets up the parameters for the sharpest picture, correct aspect ratio and size of the output image. Professional quality scan conversion has never been easier.

Up to 1600 x 1200 pixels interlaced or non-interlaced → **NTSC and PAL composite video Y/C (S-Video) Y, P_B, P_R RGB Video**

RGB SPECTRUM®
a visual communications company



Computer Input Signals

Type:	Red, Green and Blue analog video
Interlace:	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
Connectors:	BNCs with loop through
Video Polarity	Positive
Resolution:	640 x 480 to 1600 x 1200
Scan Rate:	15 kHz to 100 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 four pin mini-DIN connector	
CAV	RGB and Y, P_B, Y_R on BNCs	

Genlock

Composite video (NTSC / PAL), black burst

Controls

Zoom
Pan
Aspect ratio
Flicker filter - 3 levels
Freeze frame
Contrast
Genlock phase

Serial Communications

Physical:	2 independent RJ-45 ports
Data:	8 bits, 1 start, 1 stop
Echo:	User selectable
Baud rate:	4800, 9600, 19200, 38400, 57600, 115200

Physical

Dimensions:	17" (w) x 14" (d) x 3 1/2" (h)
Weight:	16 lbs
Power:	AC 90-132V or AC 180-264V 100W

Control

RS-232 serial port
Front panel

#A5999 ISO9002
RGB SPECTRUM

Specifications subject to change without notice
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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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