

Model TVB-350 VIDEO SCALER

TV → VGA
TV → HDTV



TV-to-VGA & HDTV Video Scaler

YCbCr, S-Video, CV, and
PC Video Inputs

Time-base Corrected
VGA, XGA, SXGA, and
HDTV Video Output

IR Remote, RS-232
Control

Features:

- State-of-the-art frame buffer technology
- Compatible with NSTC, PAL, video input
- Dynamic format 4:3 or 16:9 output
- Easy to use IR remote control
- RS-232 interface allows control from an external device
- OSD display
- Can provide VGA, SVGA, XGA, SXGA (1280x1024) outputs
- Can also provide HDTV outputs of 480p, 576p, 720p, 1080i
- Reverse 3:2/2:2 pull down provides clear and crisp de-interlacing of video originating from 24 film, such as DVD movies
- Affordable, high reliability

The TVB-350 is a high-end video scaler that up-converts composite, S-video, or Component (YCbCr) video to high resolution PC or HDTV output. It also provides an input from a PC.

The VGA output resolution can be selected to be VGA, SVGA, XGA, or SXGA.

The output can also provide HDTV resolutions of 480P, 576P, 720P and 1080i. The HDTV output is YPbPr (a 15-pin HD to 3 RCA adaptor cable is included).

The TVB-350 can be controlled via the front panel through OSD menus, by using the included remote control, or via RS-232 Serial interface.

The controls include input selection, choice of output resolution, picture adjust (tint, color, brightness, contrast, sharpness), aspect ratio (16/9 or 4/3), digital noise reduction, 3D comb filter ON/Off and many other advanced features.

The TVB-350 is ideal for use with LCD projectors, CRT/LCD monitors, and plasma or HDTV displays with improved picture quality.

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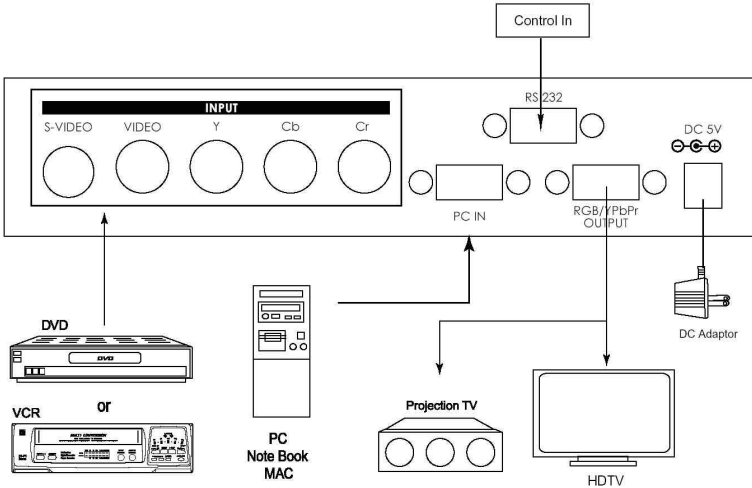
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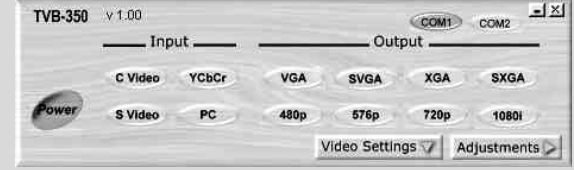
TVB-350 ... VIDEO SCALER

Block Diagram



Included Peripherals

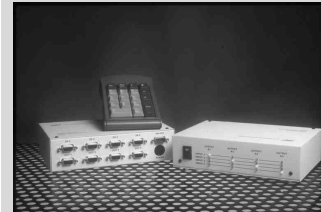
The Unit is shipped with all required cables, a universal power supply, an IR remote, and also a PC RS-232 control software



Specifications

Computer input		RGB with HV Sync			
Max computer input resolution		1600 x 1200			
Computer input connector type		HD 15 Female			
Computer input signal level		RGB @ 0.7V Analog, H&V Sync TTL			
Video inputs		Composite Video @ 1 Vp-p 75 ohm S-Video @ 1 Vp-p 75 ohm YCbCr Y: 1 Vpp 75 ohm CbCr: 0.7 Vp-p 75 ohm			
Video standard		NTSC 3.58, PAL B/D/G/I			
Video input connectors		Composite video on BNC S-Video on 4-pin Mini-DIN Component on BNC			
Scaled output resolutions	PC Resolution	Pixels		Format	Scan
		VGA	640 x 480	RGBHV	Progressive
		SVGA	800 x 600	RGBHV	Progressive
		XGA	1024 x 768	RGBHV	Progressive
	SXGA	1280 x 1024	RGBHV	Progressive	
	HDTV Resolution	16:9	1280 x 720p (720p)	YPbPr	Progressive
16:9		1920 x 1080i (1080i) 852 x 480p (480p) 852 x 576p (576p)	YPbPr YPbPr YPbPr	Interlaced Progressive Progressive	
Scaled output vertical refresh rates & Horizontal scan rates		Output resolution	Vert. (Hz)	Hori. (Hz)	
		VGA	59.94	31.469	
		SVGA	60.320	37.880	
		XGA	60.000	48.360	
		SXGA	60.020	63.981	
		480p	59.940	31.469	
		576p	50	31.25	
		720P	59.94	44.995	
1080i	59.94	33.716			
Manual control		Front panel buttons			
RS-232 control		Via rear panel DB9F connector			
IR remote control		Yes			
Video adjustments		Brightness, Contrast, Color Saturation, Tint (NTSC), Sharpness			
Weight		3 lbs			
Dimensions		8 inch(D)x 6 inch (W) x 1.83 inch (H)			
Power source		100~240VAC to DC 5V/2A Desktop switching adaptor			

Other Products



VGA Matrix Switchers

Produce the ultimate presentation for your conference room, boardroom, trade show booth, courtroom, trading floor, auditorium, etc. with a Hall Research Technologies' video switch matrix. Perfect for providing real-time information updates on multiple screens.

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