



Video Scaler (Up Converter)

Model SC-1250

SC-1250 is a high-performance, low-cost Video Scaler to transform Composite, S-Video or Component Video (YCbCr) into standard RGBHV computer signals at VGA, SVGA, XGA or SXGA resolutions. It also has HDTV 16:9 YPbPr outputs at 480p, 576p, 720p or 1080i. It is ideally suited for use with LCD Projectors, CRT Monitors, Projection TV Systems, Plasma or HDTV Displays to improve picture quality. The output resolution is selectable between the most popular PC and HDTV formats. Adjustments are provided for Color Saturation, Hue, Brightness, Contrast and Sharpness. There is also an HD-15 pass-thru for a computer or HDTV signal.



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In addition to the local control provided by front panel buttons, two methods of remote control are offered. An Infrared Remote Control is standard. The RS-232 interface allows control by a wide variety of third party control systems or from a PC with the Windows Control Panel software provided. An OSD (On Screen Display) facilitates Menu navigation for setup and selection.

An Adaptive Film Mode with an automatic 3:2 pull-down detector that provides clear and crisp de-interlacing video from 24 fps film. It offers significant enhancements when viewing movies on a large screen. Smooth de-interlacing and video motion compensation is included. The unit automatically detects a variety of PAL and NTSC standards. Operate as a Desktop unit or install supplied Rack Mount kit.

Key Features of the SC-1250

- Component, Composite, S-Video Inputs
- PC/HDTV (RGBHV/YPbPr) Input for Bypass
- Input Video Adjustments
- Automatic Input TV Standards Detection
- PAL, NTSC Operation
- PC Resolutions up to 1280x1024
- All Standard HDTV Resolution
- Output Signal on HD-15
- RS-232 Interface and IR Remote Control
- Desktop or Rack Mount

Output Resolutions and Signal Formats

Scaled Output - PC Resolutions		Vert Refresh Rate	Horiz Scan Rate	Composition	Scan
VGA	640x480	60 Hz	31.25 to 43.27 KHz	RGBHV	Progressive
SVGA	800x600	60 Hz	37.88 to 53.66 KHz	RGBHV	Progressive
XGA	1024x768	60 Hz	48.36 to 60.03 KHz	RGBHV	Progressive
SXGA	1280x1024	60 Hz	63.98 KHz	RGBHV	Progressive
Scaled Output - HD Resolutions		Vert Refresh Rate	Horiz Scan Rate	Composition	Scan
480p	852x480	60 Hz	31.47 KHz	YPbPr	Progressive
576p	852x576	60 Hz	37.62 KHz	YPbPr	Progressive
720p	1280x720	60 Hz	44.85 KHz	YPbPr	Progressive
1080i	1920x1080	60 Hz	33.64 KHz	YPbPr	Interlaced

Windows Control Panel

The Windows Control Panel interface includes the following sections:

- Input:** C Video, YCbCr, S Video, PC
- Output:** VGA, SVGA, XGA, SXGA, 480p, 576p, 720p, 1080i
- Adjustment:**
 - Digital NR: ON/OFF
 - 3D Enhance: ON/OFF
 - Front Panel Lock: ON/OFF
 - OSD: ON/OFF
 - Display: ON/OFF
 - Aspect: 4:3, 16:9
 - IR Sensor: ON/OFF
- Video Settings:** Sliders for BRIGHT 24, CONTRAST 40, COLOR 24, SHARP 10, and TINT 24, with a RESET button.



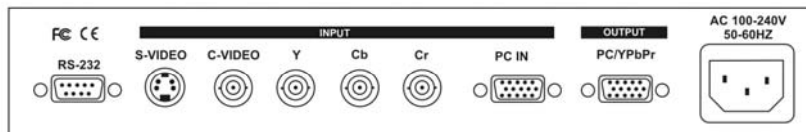
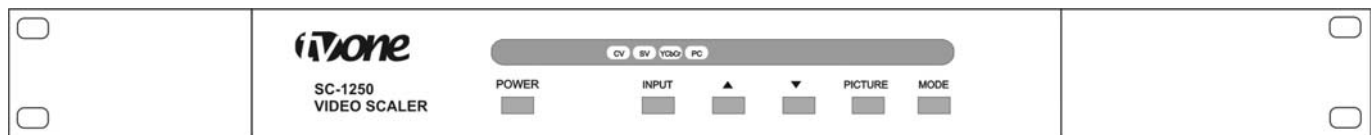
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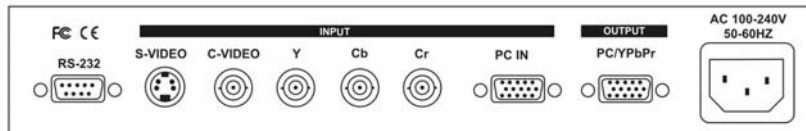
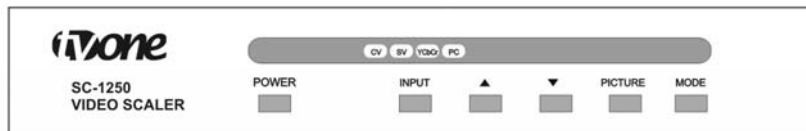
Specifications

Scaled Output RGBHV, YPbPr	1x via HD-15 Female Connector	Environmental Operating Temperature 0° to +48° C (+32° to +120° F) Operating Humidity 10% to 85%, Non-condensing Storage Temperature -10° to +70° C (+14° to +158° F) Storage Humidity 10% to 85%, Non-condensing
Video Inputs Composite Video S-Video (Y/C) PC/HDTV Loop-thru Television Standards	1x via BNC Connector 1x via 4-PIN Mini-DIN Connector 1x via HD-15 Female Connector PAL-B/G/I/D, NTSC 3.58/4.43, PAL-M, PAL-N, SECAM 75Ω	
Impedance	75Ω	Power Requirement Internal Power Supply 100-240VAC, 50-60Hz, 10W
Processing Amplifier Video Adjustments	Contrast, Brightness, Chroma, Sharpness, Hue, H&V Position Non-Volatile	Regulatory Approvals Video Scaler Unit FCC, CE Power Supplies UL, CE, CSA
Settings Memory		Accessories Included 1x C-Video Input Cable 6' (2m) BNC to BNC 1x S-Video Input Cable 6' (2m) 4-Pin S-V to 4-Pin S-V 1x VGA Output Cable 6' (2m) HD-15 Male to Male 1x RGBHV Out Cable 6' (2m) 5 BNC to 5 BNC 1x AC Power Cord 6' (2m) US, UK or Euro or Type 1x Operations Manual SC-1250 Series 1x Rack Mount Kit 2x Rack Mount Ears, 4x Screws 1x Software Disk Windows Control Panel
Control Methods Local Front Panel RS-232 Interface	via Push Buttons and LED's via DB-9 Male (1100ARS Only)	Product Item Numbers SC-1250 Video Scaler
Mechanical SC-1250 (HWD) Weight (Net) SC-1250-R (HWD) Weight (Net)	1.75"x11.5"x7" (44x292x178mm) 3.5 lbs (1.6 kg) 1.75"x19"x7" (44x482x178mm) 3.5 lbs (1.6 kg)	
Warranty Limited Warranty	2 Years Parts and Labor	

Panel Drawings



SC-1250 with Rack Mount Kit Installed



SC-1250 Desk Top Version