

**1T-PC-1280HD** Video Scaler is a Cross Converter for PC and HD formats and resolutions. The input resolution is automatically detected and can either be RGBHV, YPbPr or YUV format. Output Resolutions up to 1920x1200 and 1080p are accommodated. In addition to converting between PC and HD, the unit can take a 480i Component Video signal (from a DVD Player for example) and convert it to PC or HD resolutions. The output resolution and refresh rate is selected via push buttons or an On Screen Display. The integral processor provides control over many signal parameters, such as: Contrast, Brightness, Color Saturation, R-G-B Levels and H-V Positioning.

The unit is 12VDC powered and the Power Adapter is included featuring locking DC Connectors for security.



## Key Features of the Cross Converter-Scaler

- Ultra Compact, High Performance Unit
- Cross Convert between PC and HD resolutions
- PC Output Resolutions up to 1920x1200
- HD Output Resolutions up to 1080p
- Locking DC Power Connector for Security

## Specifications

### I/O Resolutions

VESA	Resolution	Refresh Rate
VGA	640x480	RGBHV 60, 72, 75, 85Hz
VGA70	720x400	RGBHV 70Hz
VESA85	640x400	RGBHV 85Hz
SVGA	800x600	RGBHV 60, 72, 75, 85Hz
XGA	1024x768	RGBHV 60, 70, 75, 85Hz
Mac	1152x864	RGBHV 70, 75Hz
WXGA	1280x768	RGBHV 60Hz
1280A	1280x960	RGBHV 60Hz
SXGA	1280x1024	RGBHV 60, 75Hz
UXGA	1600x1200	RGBHV 60Hz (Out Only)
WUXGA	1920x1200	RGBHV 50, 60Hz (Out Only)
480i	720x480 NTSC	(i) RGBHV, YUV 60Hz (In Only)
576i	720x576 PAL	(i) RGBHV, YUV 50Hz (In Only)
1080i	1920x1080	(i) RGBHV, YPbPr 50, 60Hz (i) (Note 1)
480p	720x480	RGBHV, YPbPr 60Hz
576p	720x576	RGBHV, YPbPr 50Hz
720p	1280x720	RGBHV, YPbPr 50, 60Hz (Note 2)
1080p	1920x1080	RGBHV, YPbPr 50, 60Hz (Out Only) (Note 2)

### Input

RGBHV, YPbPr, YUV 1x via HD-15 Connector

### Output

RGBHV, YPbPr 1x via HD-15 Connector

### Picture Controls

Input Signal Clock Frequency, Phase  
Output Signal Brightness, Contrast, Color, R-G-B Levels, H&V Position

### Mechanical

Size (H-W-D) 30x133x76mm (1.2"x5.25"x3")  
Weight (Net) 280 g (0.62lbs)

### Warranty

Limited Warranty 3 Years Parts and Labor

### Environmental

Operating Temperature 0° to +50° C (+32° to +122° F)  
Operating Humidity 10% to 90%, Non-condensing  
Storage Temperature -10° to +60° C (+14° to +140° F)  
Storage Humidity 10% to 90%, Non-condensing

### Power Requirement

External Power Supply 12VDC@1A – Locking DC

### Regulatory Approvals

Amplifier Units FCC, CE, RoHS  
Power Supplies UL, CUL, CE, PSE, GS, RoHS

### Accessories Included

1x Power Adapter US, UK or Euro  
1x Operations Manual

### Notes

(1) The 1080i signal is actually a doubled 540p signal which is recognized as a 1080i signal by most HDTV displays.

(2) YPbPr is available on Output Only; Input is RGBHV Only

## Panel Drawings

