

**1T-VS-434 PC/HD Cross Converter** is a Cross Format Scaler for PC and HD formats and resolutions. The input resolution is automatically detected and can either be RGBHV or YPbPr 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 on an On Screen Display. The integral processor provides control over many signal parameters, such as: Contrast, Brightness, Color Saturation, Sharpness, R-G-B Levels and Aspect Ratio.

The unit is 5VDC powered and the included Power Adapter features a locking DC Connector for security.



### Key Features of the 1T-VS-434 Cross Converter

- 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

| Input Resolutions  |              |                            |
|--------------------|--------------|----------------------------|
| VESA               | Resolution   | Refresh Rate               |
| VGA                | 640x480      | RGBHV 60, 72, 75, 85Hz     |
| SVGA               | 800x600      | RGBHV 56, 60, 72, 75, 85Hz |
| XGA                | 1024x768     | RGBHV 60, 70, 75, 85Hz     |
| WXGA               | 1280x768     | RGBHV 60Hz                 |
| SXGA               | 1280x1024    | RGBHV 60, 75, 85Hz         |
| WSXGA              | 1680x1050    | RGBHV 60Hz                 |
| UXGA               | 1600x1200    | RGBHV 60Hz                 |
| WUXGA              | 1920x1200    | RGBHV 60Hz                 |
| 480i               | 720x480 NTSC | YPbPr 60Hz                 |
| 576i               | 720x576 PAL  | YPbPr 50Hz                 |
| 1080i              | 1920x1080    | YPbPr 50, 60Hz             |
| 480p               | 720x480      | RGBHV, YPbPr 60Hz          |
| 576p               | 720x576      | RGBHV, YPbPr 50Hz          |
| 720p               | 1280x720     | RGBHV, YPbPr 50, 60Hz      |
| 1080p              | 1920x1080    | RGBHV, YPbPr 50, 60Hz      |
| Output Resolutions |              |                            |
| VESA               | Resolution   | Refresh Rate               |
| VGA                | 640x480      | RGBHV 60Hz                 |
| SVGA               | 800x600      | RGBHV 60Hz                 |
| XGA                | 1024x768     | RGBHV 60Hz                 |
| WXGA               | 1280x768     | RGBHV 60Hz                 |
| SXGA               | 1280x1024    | RGBHV 60Hz                 |
| WSXGA              | 1680x1050    | RGBHV 60Hz                 |
| UXGA               | 1600x1200    | RGBHV 60Hz                 |
| WUXGA              | 1920x1200    | RGBHV 60Hz                 |
| 480i               | 720x480 NTSC | YPbPr 60Hz                 |
| 576i               | 720x576 PAL  | YPbPr 50Hz                 |
| 1080i              | 1920x1080    | YPbPr 50, 60Hz             |
| 480p               | 720x480      | YPbPr 60Hz                 |
| 576p               | 720x576      | YPbPr 50Hz                 |
| 720p               | 1280x720     | YPbPr 50, 60Hz             |
| 1080p              | 1920x1080    | YPbPr 50, 60Hz             |

|                             |  |
|-----------------------------|--|
| <b>Input &amp; Bypass</b>   |  |
| RGBHV, YPbPr                | 2x via HD-15 Connector   |
| <b>Output</b>               |  |
| RGBHV, YPbPr                | 1x via HD-15 Connector   |
| <b>Picture Controls</b>     |  |
| Output Signal               | Brightness, Contrast, Color, Saturation, Sharpness, R-G-B Levels, Aspect Ratio |
| <b>Mechanical</b>           |  |
| Size (H-W-D)                | 25x102x157mm (.98"x4.16"x6.18")  |
| Weight (Net)                | 332g (0.73lbs)   |
| <b>Warranty</b>             |  |
| Limited Warranty            | 3 Years Parts and Labor  |
| <b>Environmental</b>        |  |
| 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   |
| <b>Power Requirement</b>    |  |
| External Power Supply       | 5VDC@2A – Locking DC   |
| <b>Regulatory Approvals</b> |  |
| Amplifier Units             | FCC, CE, RoHS  |
| Power Supplies              | UL, CUL, CE, PSE, GS, RoHS   |
| <b>Accessories Included</b> |  |
| 1x Power Adapter            | US, UK or Euro   |
| 1x Operations Manual        |  |
| <b>Model Number</b>         |  |
| 1T-VS-434                   | PC/HD Cross Converter  |

**Panel Drawings**

