

**1T-DVI-VGA and 1T-VGA-DVI** Video Scalers convert between Analog and DVI formats. Model 1T-VGA-DVI converts Analog to DVI, while the 1T-DVI-VGA converts DVI to Analog. A wide variety of PC and HD input and output resolutions are supported. The input resolution is automatically detected and can either be RGBHV or YPbPr format. Both models also accept a 480i YUV signal (from a DVD Player for example) and convert it to PC or HD. The output resolution and refresh rate are selectable. An integral processor adjusts signal levels. A Power Adapter with locking DC is included.

## Specifications

### Input Resolutions (Note 1)

| VESA  | Resolution | Refresh Rate     | Format |
|-------|------------|------------------|--------|
| VGA   | 640x480    | 60, 72, 75, 85Hz | RGBHV  |
| SVGA  | 800x600    | 60, 72, 75, 85Hz | RGBHV  |
| XGA   | 1024x768   | 60, 70, 75, 85Hz | RGBHV  |
| Mac   | 1152x864   | 70, 75Hz         | RGBHV  |
| WXGA  | 1280x768   | 60Hz             | RGBHV  |
| SXGA  | 1280x1024  | 60Hz             | RGBHV  |
| 480i  | 852x480i   | 60Hz             | YPbPr  |
| 480p  | 852x480    | 60Hz             | YPbPr  |
| 576p  | 852x576    | 50Hz             | YPbPr  |
| 720p  | 1280x720   | 50, 60Hz         | YPbPr  |
| 1080i | 1920x1080i | 50, 60Hz         | YPbPr  |

### Output Resolutions

| VESA   | Resolution | Refresh Rate     | Format         |
|--------|------------|------------------|----------------|
| VGA    | 640x480    | 60, 72, 75, 85Hz | RGBHV          |
| VGA70  | 720x400    | 70Hz             | RGBHV          |
| VESA85 | 640x400    | 85Hz             | RGBHV          |
| SVGA   | 800x600    | 60, 72, 75, 85Hz | RGBHV          |
| XGA    | 1024x768   | 60, 70, 75, 85Hz | RGBHV          |
| Mac    | 1152x864   | 70, 75Hz         | RGBHV          |
| 1280A  | 1280x960   | 60Hz             | RGBHV          |
| WXGA   | 1280x768   | 60Hz             | RGBHV          |
| SXGA   | 1280x1024  | 60, 75Hz         | RGBHV          |
| 480p   | 852x480    | 60Hz             | RGBHV (Note 2) |
| 576p   | 852x576    | 50Hz             | RGBHV (Note 2) |
| 720p   | 1280x720   | 50, 60Hz         | RGBHV (Note 2) |
| 1080i  | 1920x1080i | 50, 60Hz         | RGBHV (Note 2) |



## Key Features of the DVI-VGA Scalers

- Convert DVI to VGA or VGA to DVI
- Simultaneous Scaling to Different Resolutions
- Resolutions up to 1280x1024 and 1080i

### Connectors

|            |            |             |
|------------|------------|-------------|
| 1T-VGA-DVI | In: HD-15F | Out: DVI-I  |
| 1T-DVI-VGA | In: DVI-I  | Out: HD-15F |

### Picture Controls

|               |                                                                |
|---------------|----------------------------------------------------------------|
| Input Signal  | Clock Frequency, Phase                                         |
| Output Signal | Brightness, Contrast, RGB Levels, Color, Horiz & Vert Position |

### Mechanical

|                     |                             |
|---------------------|-----------------------------|
| 1T-DVI-VGA (H-W-D)  | 30x133x76mm (1.2"x5.25"x3") |
| 1T-VGA-DVI (H-W-D)  | 30x146x76mm (1.2"x5.75"x3") |
| 1T-DVI-VGA Wt (Net) | 280 g (0.62 lbs)            |
| 1T-VGA-DVI Wt (Net) | 310 g (0.68 lbs)            |

### Warranty

|                  |                         |
|------------------|-------------------------|
| Limited Warranty | 2 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 122°F) |
| Storage Humidity      | 10% to 90%, Non-condensing     |

### Power Requirement

|                       |                      |
|-----------------------|----------------------|
| External Power Supply | 5VDC@2A – 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) Additional inputs supported: VGA75, VESA85, 1280A, 576i.
- (2) 1T-DVI-VGA also has YPbPr output for all HDTV Resolutions.

## Panel Drawings

