



DVI-VGA Scalers

Models 1T-DVI-VGA, 1T-VGA-DVI



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 | 1 Year 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

