

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
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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
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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

