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Product Bulletin

DVI-to-VGA Video Scaler
VGA-to-DVI Video Scaler

Model SC-DV-2
Model SC-VD-2



Model SC-DV-2

Converts Digital DVI to Analog VGA or HDTV Output

Features:

- Converts Digital DVI from any PC (or digital output from DVD player) to analog VGA or component output.
- Ideal for use with high-resolution displays such as LCD, plasma, or DLP projectors.
- The resolution of any PC or HDTV video signal can be scaled up or scaled down to any other PC or HDTV resolution. It can also change the frame rate of the output.
- 50 MB Video memory for real-time frame rate conversion.
- Signal format conversion between RGBHV and YPbPr.
- Input: PC(VGA/SVGA/XGA/SXGA) + HDTV(480i 576i 480p 567p 720p 1080i), @ 60 to 85 Hz
- Output: PC(VGA/SVGA/XGA/SXGA) + HDTV(480p/576p/720p/1080i)
- Automatically detects input mode and timing parameters
- Easy- to- use push buttons and OSD menu control



Model SC-VD-2

Converts and Scales Analog VGA or HDTV Component to DVI

Features:

- Converts analog VGA from any PC (or component from any DVD player) to Digital DVI output.
- Ideal for use with digital displays such as LCD, plasma, or DLP projectors.
- Digital output reduces losses associated with analog signals.
- The resolution of any PC or HDTV video signal can be scaled up or scaled down to any other PC or HDTV resolution. It can also change the frame rate of the output.
- 50 MB Video memory for real-time frame rate conversion.
- Format conversion between RGB & YPbPr.
- Input: PC(VGA/SVGA/XGA/SXGA) + HDTV(480i 576i 480p 567p 720p 1080i), @ 60 to 85 Hz
- Output: PC(VGA/SVGA/XGA/SXGA) + HDTV(480p/576p/720p/1080i)
- Automatically detects input mode and timing
- Easy- to- use push buttons and OSD menu

Description:

The Hall Research Models *SC-DV-2* & *SC-VD-2* are digital-to-analog (D/A) and analog-to-digital (A/D) video converters that can convert between a digital DVI and Analog VGA or component video.

The input resolution is automatically detected while the output resolution and refresh rate can be selected through OSD menu and front panel push buttons.

These converters feature a powerful video processor that combines the functions of a video scaler, scan-converter, and format transformer. The devices are packed into a compact and durable metal housing with easy-to-use touch buttons.

The controls include input/output setup picture adjustment, H/V phase adjustment, System information and many other advance options.

The converters allow you to specify a resolution and refresh rate for their output. Then they will create a steady (uninterrupted) output signal to your display device at the specified rate regardless of the input.

Output Modes Available

	PC Resolutions	HDTV Resolutions	
VGA	640 X 480@60/72/75/85Hz	1080i-RGB	1920 X 1080@60Hz
VGA 70	720 X 400@70Hz	720p-RGB	1280X 720@60Hz
VESA 85	640 X 400@85Hz	576p-RGB	720X 576@60Hz
SVGA	800 X 600@60/72/75/85Hz	480p-RGB	720X 576@60Hz
XGA	1024 X 768@60/70/75/85Hz	1080i-YPbPr	1920 X 1080@60Hz
Mac	1152 X 864@ 70/75Hz	720p-YPbPr	1280 X 720@60Hz
WXGA	1280 X 768@60Hz	576p-YPbPr	720 X 576@60Hz
1280A	1280 X 960@60Hz	480p-YPbPr	720 X 480@60Hz
SXGA	1280 X 1024@60/75Hz		

Input Resolutions Supported

	PC Resolutions	HDTV Resolutions	
VGA	640 X 480@60/72/75/85Hz	1080i	1920 X 1080@60Hz
VGA 70	720 X 400@70Hz	720p	1280X 720@60Hz
VESA 85	640 X 400@85Hz	576p	720X 576@50Hz
SVGA	800 X 600@60/72/75/85Hz	576i	720X 576@50Hz
XGA	1024 X 768@60/70/75/85Hz	480p	720 X 480@60Hz
Mac	1152 X 864@ 70/75Hz	480i	720 X 480@60Hz
WXGA	1280 X 768@60Hz		
1280A	1280 X 960@60Hz		
SXGA	1280 X 1024@60Hz		

