

- Supports DVI-D Input
- Supports VGA Output
- Output resolution up to 1920x1200
- More than 20 common VGA standards preset (including HDTV)

## DVI/VGA

### Converter



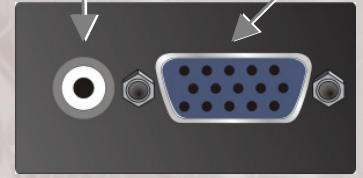
**DVI TO VGA CONVERTER**  
CONNECT **MODERN** SOURCES TO  
**VGA** DISPLAYS/SWITCHES

Connect to DVI-D  
Graphic Source



Connect to  
5V Power Supply

Connect to  
VGA Monitor



# DVI/VGA CONVERTER

## Connect modern sources to traditional displays or switches

Input Interface	DVI-D
Output Interface	VGA
Output Resolution	640x480@60Hz to 1920x1200@60Hz for details, cf. table below
Scaling Modes	1:1 – original size
Power Supply	Universal switch mode PSU (90-240V Input)
Dimensions	51 x 73 x 25 mm desktop device
Interconnection Cable	CPU cable (1.8 m) w/ DVI-D single link male connectors

### DVI to VGA Converter

The DVI to VGA converter is designed to connect latest DVI sources to obsolete VGA displays or switches.

In addition, it can be used to convert DVI signals to VGA signals to maintain operation of older VGA monitors or similar display devices, such as expensive projectors. Due to some graphic drivers, the proper operation of this converter can only be granted by modifications of the converter. Please contact our technical support for more information.

### Supported Resolutions

The converter supports all known DVI resolutions up to 1920x1200. To simplify the installation of the converter, a selection of most common resolutions has been preinstalled in the internal DDC table of the converter. Missing resolution can be programmed by our technical support – even not properly installed graphic drivers can be setup correctly.

### Please Note

Resolutions of 1920x1200 cannot be supported without enabling the “Black Shoulder” in the display signal. If this option is disabled, VGA monitors will not be able to detect the synchronization signal.

### Standard Timings

640x480@60Hz  
640x480@67Hz  
640x480@72Hz  
640x480@75Hz

720x400@70Hz  
720x400@88Hz

800x600@56Hz  
800x600@60Hz  
800x600@72Hz  
800x600@75Hz

832x624@75Hz

1024x768@60Hz  
1024x768@60Hz  
1024x768@70Hz  
1024x768@75Hz

1152x870@75Hz

1280x720@60Hz  
1280x960@60Hz  
1280x1024@60Hz  
1280x1024@75Hz

1360x765@60Hz

1400x1050@60Hz

1600x900@60Hz  
1600x1200@60Hz

1680x1050@60Hz

1920x1080@60Hz  
1920x1200@60Hz

Please contact our technical support for more resolutions.

### Highlights

- Supports a wide range of monitor resolutions
- More than 20 common VGA standards have been preinstalled in the internal table. Unknown video modes can be setup with hotline support



### Detailed Timings

(preferred)  
1024x768 at 60Hz  
 $f_h = 48\text{kHz}$ ,  $f_d = 65\text{MHz}$

(Alternative)  
1600x1200 at 60Hz  
 $f_h = 75\text{kHz}$ ,  $f_d = 162\text{MHz}$

### Timing Characteristics

VESA GTF support	not supported
Horizontal scan range	22 - 95kHz
Vertical scan range	48 - 90Hz
Video bandwidth	170MHz