RGB2VGA

Convert RGB Component Signals to DVI or VGA
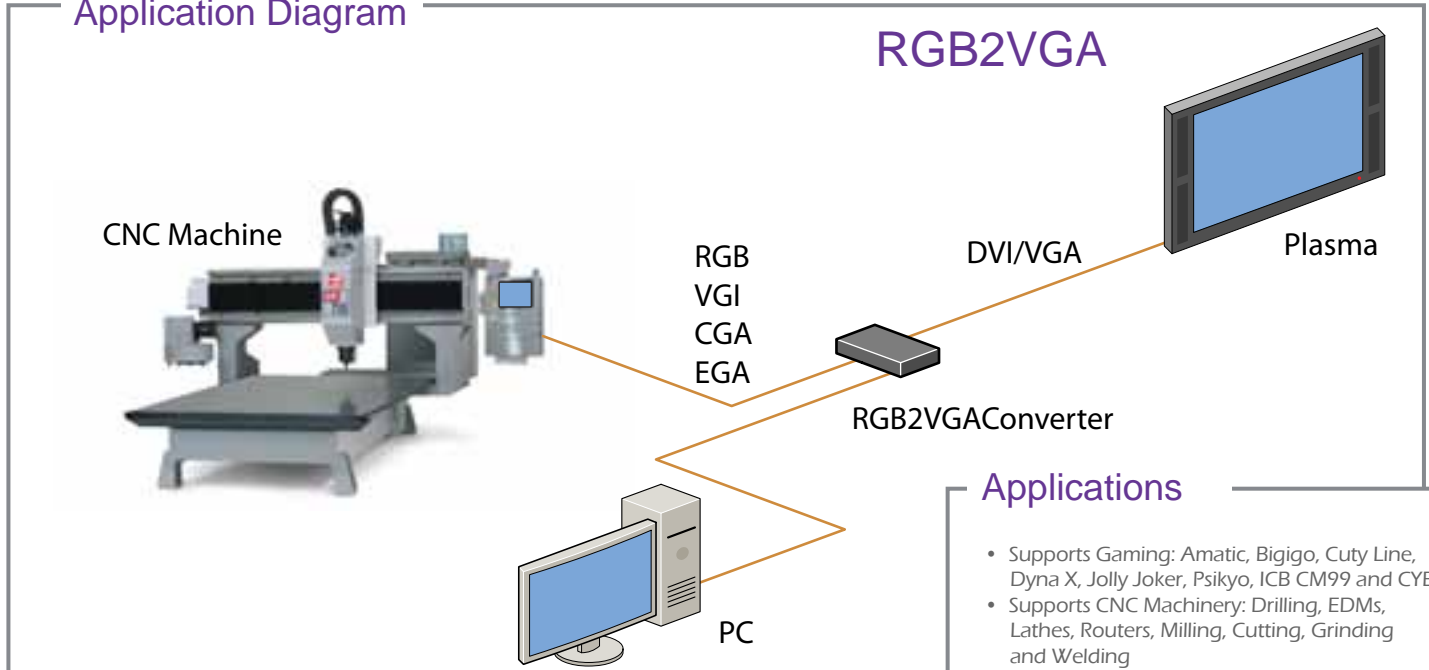# Without Loss of Video or Audio Quality

Around the world, companies seek to use the newest technology available when it comes to flat-screen displays for digital signage and communications. The common issue that often comes up is that older equipment such as video players, imaging hardware and audio components typically output their signals as RGB (Red, Green, Blue and the synchronization signals HSYNC and VSYNC). These component signal frequencies are generally too "slow" for modern displays such as digital monitors and flat-screen displays.

The RGB2VGA converter does just what its name indicates, allowing these older A/V components to sync with and be used in seamless concert with your modern display screens displaying both DVI and VGA signals.

Features
- Supports VGA, EGA, CGA, YCbCr, YPbPr Signal Inputs
- Selectable Input Connection: RGBS 5-pin, RGBHV 8-pin, VGA 15-pin, Component RGB – 3AV,
- Output Connection: Dual VGA 15-pin, Dual VGA 12-pin
- VGA Output Supported: VGA (640x480), SVGA (800x600), XGA (1024x768), HDTV (1360x768)
- Input Signal Auto Scan: CGA (14.5-16.5KHz), EGA (23.5-25.5KHz), VGA (30.5-32.5KHz)
- Input Signal Auto Scan: YCbCr / YPbPr (480i, 576i, 720i, 1080i, 480p, 576p, 720p, 1080p)
- English and Chinese On-Screen Display Menu
- Supports Output Resolution Control, Position Control and Zoom Control
- Digital 24-bit A/D Converter for True 16.7-million Color Conversion
- Supports all VGA Monitors (CRT, LCD, PDP)
- Over 70 Pre-installed Video Modes for Rapid Syncing
- Additional Video Modes Programmable Via On-Screen Display
- Rack-Mountable

Smart-AVI
SMART AUDIO VIDEO INTEGRATION

Application Diagram

RGB2VGA

CNC Machine

RGB
VGI
CGA
EGA

DVI/VGA

Plasma

RGB2VGAConverter

PC

Applications

- Supports Gaming: Amatic, Bigigo, Cuty Line, Dyna X, Jolly Joker, Psikyo, ICB CM99 and CYE
- Supports CNC Machinery: Drilling, EDMs, Lathes, Routers, Milling, Cutting, Grinding and Welding

Specifications

Power Requirements	
Voltage	PSU: 90..240VAC-0.5A-47..63Hz/6VDC-2000 mA
Power required	RGB to DVI(/VGA) Converter: approx. 8W
Interface (Depending on type of device)	
Monitor	VGA 1280x1024@75Hz, plug&play supported) DVI (1280x1024@60Hz, plug&play supported)
Color Depth	15 Bit for converting to DVI/VGA (5 Bit per color)
Bandwidth	165 MHz
RGB/RGBS	0,7Vpp for color signals without Sync, 1Vpp for GREEN (with Sync), 0,7Vpp for composite Sync
CGA/EGA	TTL for colors and Sync
FBAS / Composite	1Vpp composite video signal
Y/C	0,7Vpp for luminance signal and chrominance
Size and Shipping Weight	
RGB to DVI(/VGA) Converter	6.7"x5.2"x1.7" (170x133x44mm) Weight: 2.2lb (1.0kg) each
Shipping box	Shipping Box: 18.1"x9.8"x4.7" (460x250x120mm) Weight: 9.5lb (4.3kg)
Environmental	
Operating Temperature	41 to 113˚F (5 to 45 ˚C)
Storage Temperature	-13 to 140˚F (-25 to 60 ˚C)
Relative Humidity	max. 80% non-condensing

Order Info

RGB2VGA	Digital RGB to DVI/VGA Converter (70 RGB Formats Preinstalled)

Many industry leaders have already embraced SmartAVI's advanced technology and have eagerly implemented our products throughout their organizations. Such companies include: