

ENFORCER®

BNC Video Converters MANUAL



**BNC to VGA
VC-1 Series**



**BNC to VGA
VC-3 Series**



**VGA to BNC
VC-2 Series**

Model #	Features	Power Adapter
VC-1BAQ	BNC to VGA	Included
VC-1BBQ		Not Included
VC-3BAQ*	BNC to VGA (High Resolution)	Included
VC-3BBQ*		Not Included
VC-2VAQ**	VGA to BNC	Included
VC-2VBQ**		Not Included

*with additional BNC loop-through

**with additional VGA loop-through

Features:

BNC to VGA (VC-1 Series, VC-3 Series)

- Converts almost any VGA monitor into a security monitor
- Compact, perfect for plug and play installations
- Desktop, wall or VESA mountable
- On-screen display (OSD) for image adjustment
- Automatically detects NTSC / PAL
- Video input auto-configure
- Memory retains settings after power failure
- Dual output for VGA and BNC supporting resolutions: up to 1280x1024 (VC-3BxQ only)

VGA to BNC (VC-2 Series)

- Connect a DVR with VGA output to an existing monitor with BNC input
- Video standards: NTSC/PAL
- Auto configure resolution: up to 1024x768 (up to 75Hz)
- Dual output ports: composite video (BNC) and VGA
- On-screen display (OSD) for image adjustment including size, brightness, contrast, hue, saturation, sharpness, and more
- Quick installation, no driver or operating system requirements

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Introduction:

The SECO-LARM BNC to VGA Converter is the ideal way to transform a BNC video signal into a VGA signal. Traditional CCTV monitors can now be replaced by any display unit with VGA input. The BNC to VGA Converter is compact and can be mounted nearly anywhere including on the VESA mount found on most VGA monitors. SECO-LARM BNC to VGA Converters come in basic and high resolution models.

The SECO-LARM VGA to BNC converter converts your VGA signal to be viewed on any TV, projector, or other viewing device that uses standard BNC connector while also viewing it on a VGA monitor.

Specifications:

Model #	VC-1BAQ, VC-1BBQ	VC-3BAQ, VC-3BBQ	VC-2VAQ, VC-2VBQ
Conversion type	BNC to VGA		VGA to BNC
Input signal	Composite video 1Vp-p 75ohm BNC jack		VGA
Output signal	VGA: 0.7 Vp-p RGB, 15 pin female D-sub	VGA: 0.7 Vp-p RGB, 15 pin female D-sub	VGA: 0.7 Vp-p RGB 15 pin female D-sub
		Composite video 1Vp-p 75ohm BNC	Composite Video 1Vp-p 75ohm BNC
Current consumption	200mA@5VDC	800mA@5VDC	500mA@5VDC
Maximum resolution	NTSC: 720x480 PAL: 720x576	Up to 1280x1024 NTSC: 720x480 PAL: 720x576	Up to 1024x768 NTSC: 720x480 PAL: 720x576
Power source	1A@5VDC, 2.5 mm	1A@5VDC, 2.5 mm	1A@5VDC, 2.5 mm
Operating Temperature	32°F~131°F (0°~55°C)	32°F~131°F (0°~55°C)	32°F~131°F (0°~55°C)
Dimensions	5 3/4" x 2 5/8" x 1 1/16" (145 x 67 x 27 mm)	3 3/8" x 3 1/4" x 1 1/16" (85 x 83 x 27 mm)	4 13/16" x 3 3/16" x 1 1/16" (122 x 81 x 27 mm)
Weight	7.8-oz (220g)	7.2-oz (205g)	9.3-oz (265g)

Parts List:

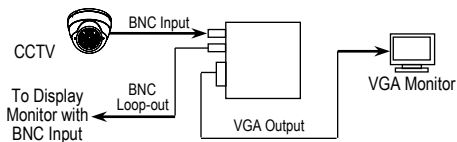
- 1x Converter
- 1x Mounting bracket (VESA-compatible)
- 4x VESA mount screws
- 4x Monitor mount screws
- 4x Wall mount screws
- 4x Plastic Wall Anchors
- 4x Rubber feet
- 1x Manual
- 1x 5VDC power adapter (except VC-1BBQ, VC-3BBQ, and VC-2VBQ)

Installation:

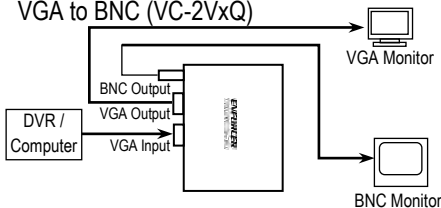
1. Determine the location of where the BNC / VGA converter will be installed. Attach the converter to VESA mount if needed and attach to mounting location.
2. Plug the BNC cable into the female-BNC port on the converter.
3. Plug the VGA cable into female-VGA port on the converter (or BNC cable to BNC port).
4. Plug the 5VDC adapter into the converter unit.
5. Turn on the display and the video output device to which the converter is connected.
6. Use the OSD menu to adjust the brightness, contrast, tint, color, and other features until the picture is displayed correctly. See p.4, **On-Screen Display Programming and Menu Controls**.
7. If needed, adjust your monitor settings according to the manufacturer's instructions.

Sample Applications:

BNC to VGA (VC-3BxQ shown)

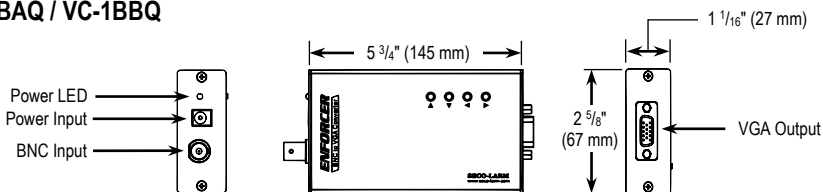


VGA to BNC (VC-2VxQ)

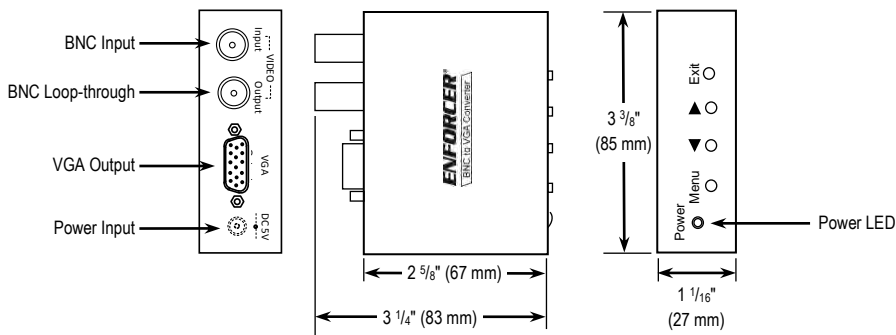


Overview:

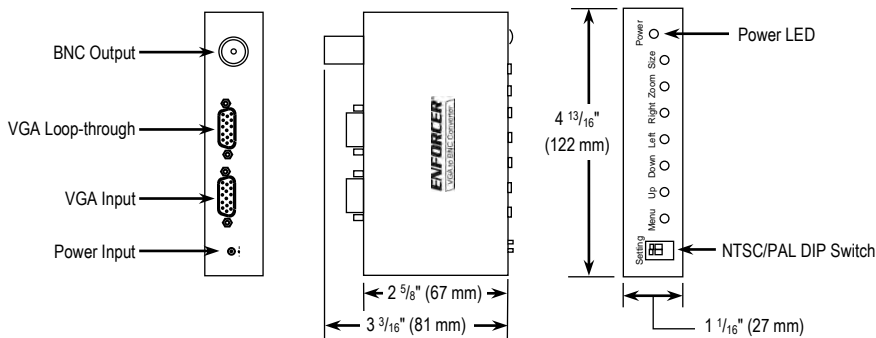
VC-1BAQ / VC-1BBQ



VC-3BAQ / VC-3BBQ



VC-2VAQ / VC-2VBQ



On-Screen Display (OSD) Programming and Menu Controls:

Note for VC-2VxQ First select either NTSC or PAL from the front panel setting switches (Default is NTSC)	NTSC / PAL Select	
	Setting	1 2
	NTSC	ON ON
	PAL	OFF OFF

OSD Display	VC-1BxQ	VC-3BxQ	VC-2VxQ	Description
Brightness	X	X	X	Determines the relative amount of light displayed
Contrast	X	X	X	Determines the relative difference between light and dark objects
Color Saturation	X	X	X	Determines the relative shade of the colors displayed
Tint / Hue	X	X	X	Determines the relative hue of the colors displayed on the screen
Sharpness		X	X	Determines the relative definition of images displayed
Resolution		X		Choose between 640x480, 800x600, 1024x768, and 1280x1024 (only VC-3BxQ supports 1280x1024)
Horizontal Size			X	Set the horizontal image size
Vertical Size			X	Set the vertical image size
Flicker			X	Adjust image flicker
OSD Background			X	Choose the background color of the OSD screen

Troubleshooting:

VGA device does not function correctly

- Make sure power, input, and output cables are firmly connected to the converter.
- Make sure the video input device is turned on.
- Make sure the video output device is turned on.
- Test the coaxial cable between the video source and converter to ensure it is functional.
- Test the VGA cable between the video monitor and converter to ensure it is functional.
- Ensure the monitor used supports 720 x 480 resolution (for VC-1BxQ)
- Ensure the monitor used can support the resolution selected (for VC-3BxQ)
- Ensure that switches are set correctly for NTSC/PAL (for VC-2VxQ)

Power LED indicator not lit

- Make sure power is connected to the converter

WARRANTY This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for a period of one (1) year from the date of sale to the original consumer customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair, or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM, and the purchaser's exclusive remedy, shall be limited to replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damages of any kind to the purchaser or anyone else.

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