

GROUND LOOP CORRECTOR/VIDEO DISTRIBUTION AMPLIFIER > NL-GLC



The NL-GLC serves many functions. It is a ground loop corrector, a video distribution amplifier and a video-equalizing amplifier, all in one, simple-to-use and flexible product. The National NL-GLC provides total isolation between the input and output of each of the eight positions and eliminates all of the problems associated with ground loops.

A ground loop results when the potential voltage on the shield of the coax cable differs between one end of the cable to the other. This may result in “tearing” or jumpiness of the image on the monitor. Ground loops cannot be predetermined and are usually only discovered after the fact. The National Electronics NL-GLC is an effective solution to ground loop problems; it is extremely flexible and may be configured from one to eight inputs. The product consists of the NL-GLC mother cabinet, which can house from one to eight NL-GLCPCB input/output cards. Each NL-GLCPCB card has one video input and two video outputs.

When ordering, specify how many inputs you require.

FEATURES

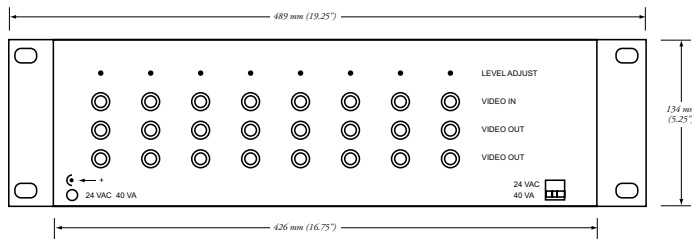
- > Full color compatibility
- > Total isolation between input and output
- > High speed optocoupler video isolation
- > Two amplified, equalized outputs per input
- > Configurable from one to eight inputs and two to sixteen outputs
- > Installer adjustable signal level for optimum picture
- > Cable compensation for RG59U up to 2000 feet
- > Compensation for passive twisted pair Baluns to over 2000 feet
- > Shelf or rack mountable (rack mount included)
- > One year warranty

SPECIFICATIONS > NL-GLC

Ground Loop Corrector/Video Distribution Amplifier

Inputs	One BNC per card to total of eight
Outputs	Two BNC per card to total of sixteen
Frequency Response	10 Hz to 40 MHz (± 0.5 db)
Video Signal Isolation	Single channel, high speed optocoupler
High Voltage Isolation	15 KV/ μ s
Video Bandwidth	Up to 40 Mhz
Signal Level Control	Each input can be adjusted from a level of 0.3 Vpp to 3 Vpp for the ideal level of 1.1 Vpp
Input/Output Impedence	75 ohms
Power Requirement	9 VDC @ 500 MA and 24 VAC @ 40 VA. (Two power sources required for absolute GLC isolation)
Dimensions (W x H x D)	16 1/2 x 5 1/4 x 6 inches; 419 x 133 x 153 mm (Three rack spaces)
Rack Mount	Rack mount brackets provided

NL-GLC



> www.nationalcctv.com

Please visit our website for more information on the entire line of National Electronics™ products.

E.&O.E. All specifications are subject to change without notice. Information furnished is believed to be accurate and reliable. However, no responsibility or liability is assumed by its use, nor for any infringement of patents or other rights of third parties which may result from its use.