

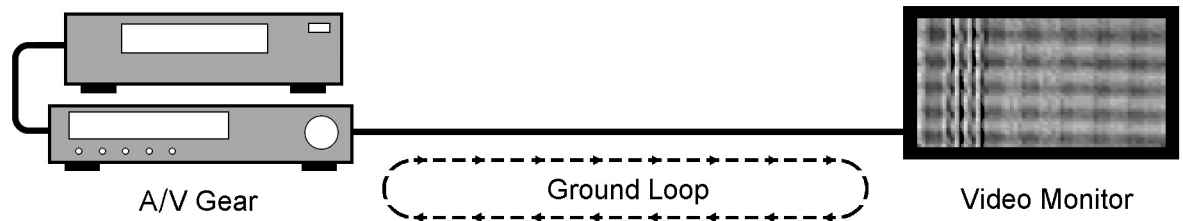
EMPIRE STATE FILTER COMPANY, INC.

VIDEO HUM ELIMINATORS with RCA connectors

Empire State Filter Co.'s line of hum eliminators is designed to remove interference created by long cable runs, 60 cycle power demands, grounding noise, and magnetic coupling. Normal voltage differences between system grounding points cause small AC power currents to flow through video cables. At power frequencies, a voltage drop of only 7mV peak can cause a visible hum bar. This ground loop current flows through the shield of the video cables which produces a magnetic field in the core of the hum eliminator to create an inductor, or choke. The high impedance of this choke in the ground path effectively removes the hum from the signal cable at the output port of the unit. The major advantage of a hum eliminator is high bandwidth. The low frequency response extends to DC, avoiding an effect called field-rate tilt, and the high frequency response of more than 200 MHz make these units suitable for high definition and projection TV systems. These are passive devices which require no external power. Single channel units are designed for composite signals, three channel units can be used for 3 composite signals or RGB, Y R-Y B-Y signals. Models are also available with an internal audio isolation transformer to remove both audio and video interference.




Features:

- single or multi channel units
- passive - no external power required
- stand-alone or with mounting brackets
- composite or RGB plus audio inputs
- 200 MHz video bandwidth
- RCA connectors
- available with audio isolation transformer
- aluminum housings
- custom units available



Our use of quality materials in the manufacture of these products will assure you that you are getting the best hum eliminator possible. Don't hesitate to call or fax us if your situation requires a custom solution. For a more detailed look at our products visit us on the web at www.empirefilter.com.

Parts taken with permission from Sound & Video Contractor Magazine, "Losing the Hum Bar" by Bill Whitlock, July 2002

	Model #	Description	Size	Weight
	RCA100	single channel hum eliminator	4.7 x 4.1 x 2.1	2.7 lbs
	RCA300 RCA325	3 channel hum eliminator	8.7 x 4.1 x 2.1	6.0 lbs
	AV300 AV325	video hum eliminator with 2 channel audio isolation transformer	4.7 x 4.1 x 2.1	3.0 lbs

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