

# Colorado Video

## automatic gain control 675

### general description

The Model 675 Automatic Gain Control (AGC) provides a consistent video output level given varying levels of input. It can be configured by internal jumper to set gain in either of two ways. One configuration sets gain based on video (excluding sync) amplitude. This configuration can correct for problems caused by cameras operating in adverse conditions. The second configuration sets gain based on sync amplitude. This configuration is useful when the composite video level may be incorrect because of calibration or transmission problems.

Four additional internal adjustments are available to help tailor the Model 675 at installation. "Attack Time" determines how quickly the unit reduces gain when the input signal amplitude rises. "Release Time" determines how quickly the unit increases gain when the input signal amplitude falls. "AGC" determines the output level that the AGC function works to achieve. "Filter" is a jumper that determines how gain is affected by small bright white peaks in the input video.

### Specifications

Size:	1 2/3" X 8" X 11"	
Weight:	3 lbs.	
Mounting:	Free standing (1 3/4" X 19" rack mount optional)	
Power:	117/220 VAC, 50/60 Hz, 5VA	
Input:	Video, composite: 525- to 875- line RS-170 or RS-330, 1 V p-p, looping with Hi-Z/75 $\Omega$ switch	
Output:	Video, composite, 1 V p-p, 75 $\Omega$	
Controls:	Front Panel:	Power: On/Off
	Internal:	Attack Time
		Release Time
		AGC Output Level (sync mode)
		AGC Output Level (video mode)
		Filter: In/Out (jumper)
		Mode: Sync/Video (jumper)
	Rear Panel:	Video In: Hi-Z/75 $\Omega$
Indicators:	Power On	
Connectors:	BNC	
Max. AGC Gain:	9.5 db	
Bandwidth:	5 MHz (16 MHz optional)	

Specifications subject to change without notice.

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