

Colorado Video

"Unique Video Instrumentation"

video detector 630

general description

The Video Detector automatically detects luminance values that exceed desired maximum or minimum values within a window of adjustable size and position.

The Model 630 uses two signal level slicers. One slicer detects objects within the window that are brighter than an adjustable level. The other slicer detects objects that are darker than a similarly adjustable level. Objects outside the desired luminance limits are highlighted in the picture and will cause an LED to light. "Alarm" outputs are operated by both slicers. One, or the other, or both slicers can be operated at any given time.

A filter can be switched on to cause the Model 630 to respond to only rapid changes in the window. The filter will cause gradual changes to be ignored.

The unit has a loop-through input so that a monitor can be connected directly to the signal at the input. This feature allows viewing of both the unprocessed video picture and the sliced picture simultaneously.

specifications

Model:	630
Size:	19"W x 8"D x 3.5"H
Mounting:	Standard 19" rack-mount
Power Connector:	IEC
Power Input:	120 VAC, 60Hz
Chassis:	Painted/Anodized Aluminum
Video Input/Output	1Vp-p, composite, 75 ohm
I/O Connectors:	Video: BNC, Alarm Output: "Blue Ribbon"
Controls:	Mode (3-pos switch): +, + -, - Display (3-pos switch): Input, Quantized, Mix Filter (switch): Out/In +Slicer (potentiometer): Sets slicer for maximum acceptable value -Slicer (potentiometer): Sets slicer for minimum acceptable value H. Pos. (potentiometer): Sets horizontal position of window V. Pos. (potentiometer): Sets vertical position of window H. Size (potentiometer): Sets horizontal size of window V. Size (potentiometer): Sets vertical size of window Power (illuminated switch): On/Off
Indicators:	Alarm (LED): Lights when high or low slice value are exceeded



Specifications subject to change without notice.

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