

Video Peak Store, Video Peak Value Detector 443 Series

The Model 443 Video Peak Store and Video Peak Value Detector will store a new incoming pixel if it is brighter than the corresponding pixel already stored in frame memory. Hence, it stores the brightest aspects over time of scene in front of a video camera. The Peak Store capability is ideal for capturing lightning flashes occurring over seconds or days, or showing the track of a bright object as it's moved over a dark background.

The Video Peak Store & Video Peak Value Detector can also be set to store a new incoming pixel if it is darker than the corresponding pixel already stored in frame memory. In this mode, it stores the darkest aspects over time of a scene in front of a video camera. The Dark-Peak Store capability is ideal for showing the track of a dark object as it's moved over a bright background, such as an ant on a sidewalk or a bird in the sky.

A Decay function can be activated to cause previously captured peak values to fade or decay to current-input values over an adjustable period of time. In this mode, a lightning strike would be instantly captured and then slowly fade away until only the background scene is again present in the picture. The trails of tracked objects would fade behind them as they moved. The decay time is adjustable in steps of powers of two from 2 to 32768 frames (about 1/15 to 1092 seconds for NTSC video).

Applications

Bird Watching

A New Way to Look at an Old Pastime

Mode Shape Analysis

Time Exposure Photography...is an Accepted Method for Motion Analysis...

Features

All Units: Video Peak Store & Video Peak Value Detector

- Stores a new value for a pixel if that value is brighter (or darker) than that previously stored
- "Reset" sets all pixel values to current input
- Select between bright or dark peak storage
- Freeze Frame function stops updating the picture
- Decay function allows stored peaks to fade over an adjustable time period
- NTSC Color

Model 443CS: Video Peak Store & Video Peak Value Detector

- Desktop Style ABS Chassis
- 5 VDC Power (120 VAC Adapter Included where appropriate)



Model 443C: Video Peak Store & Video Peak Value Detector

- Aluminum Chassis, Optionally Rack-Mountable
- 120 VAC or 240 VAC Power Input (Specify when Ordering)