

Abstract of the Disclosure

A video display control system, comprises a video display having a first format display ratio. A picture height circuit determines an active video picture height from an input video
5 signal having a second format display ratio. A detector circuit identifies letterbox formats responsive to the active video picture height in the video signal and determines a format display ratio of the letterbox picture. A zoom control circuit is operable in a first mode of operation for enlarging the picture in size to
10 fill the display substantially entirely, notwithstanding consequent cropping of the picture, and operable in a second mode of operation for enlarging the picture in size to substantially fill the display vertically, notwithstanding consequent unused portions of the display. A vertical pan control circuit
15 automatically centers the picture in both modes of operation. The detector can identify the format display ratio of the letterbox format picture a circuit responsive to the identified format display ratio controls image aspect ratio distortion of the enlarged picture. A deflection system is controllable in vertical
20 size by a variable vertical scan rate, in horizontal size by variable horizontal video expansion and compression, and in pan position by varying the vertical reset in phase.

