

ABSTRACT OF THE DISCLOSURE

APERTURE COMPENSATION CIRCUIT AND RGB MONITOR

A aperture compensation circuit which allows improvement in picture quality when a multi-media image is displayed and an RGB monitor employing the same are disclosed. A sharpness circuit is provided between input terminals and a preamplifier. A lowest value detection circuit of the sharpness circuit detects a lowest value signal from among R, G and B signals supplied from the input terminals, and a differentiation circuit differentiates the lowest value signal to produce a differentiation signal. A slice circuit slices a component of the differentiation signal which corresponds to a portion at which a change from black to white occurs with an arbitrary amplitude to produce a second differentiation signal. The second differentiation signal from the slice circuit and the R, G and B signals supplied from the input terminals are added by addition circuits to effect contour correction of the R, B and G signals. A CRT is driven by the R, G and B signals for which contour correction has been performed.

FIGURE 1