

ABSTRACT

Color video camera apparatus

There is provided a color video camera apparatus (10) which comprises an image sensor (11) having a plurality of pixel elements for converting an optical image into an electric image signal, a color filter (12) arranged on the image sensor and having a predetermined mosaic pattern of different colors including complementary colors, an image signal processing circuit (15) for processing the electric image signal to produce at least first and second color difference signals (2R-G) and (2B-G), a variable coefficient generator (20) for generating first and second coefficients (a) and (b) each of which is variable in dependence on the first and second color difference signals, first and second multipliers (19 and 22) for multiplying the first and second color difference signals respectively by the second and first coefficients, and first and second adders (18 and 21) for adding outputs of the second and first multipliers to the first and second color difference signals to generate objective third and fourth color difference signals [(R-Y) and (B-Y)].

15 Fig. 1