

Abstract

1 A color video camera according to the present invention includes a color
temperature detector (16) for detecting a color temperature of a video
source and a primary color separator (14), wherein matrix coefficients of
the primary color separator (14) are controlled in accordance with an out-
5 put of the color temperature detector in such a manner that, for example,
when the color temperature of a video source is low, that is, the color of a
video source is reddish, red and blue components of the video source are
corrected to be weakened and intensified, respectively. On the contrary,
when the color temperature of a video source is high, that is, the color of a
10 video source is bluish, the red and blue components of the video source are
corrected to be intensified and weakened respectively, whereby the degra-
dation of the color reproducibility of the chromatic colors due to the change
in the color temperature can be prevented.

(Fig. 4B)

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This Sheet Has Been Replaced

