

METHOD FOR PROCESSING VIDEO SIGNAL AND APPARATUS FOR
PROCESSING VIDEO SIGNAL

ABSTRACT

An image which is seen as a natural feeling can be attained in such a manner that a resolution of a photographed image is kept substantially constant irrespective of any variation in condition of an optical system such as an iris diaphragm diameter and a zoom position. For example, in the case that it is adapted for an iris diaphragm diameter, an MTF corresponding to a variation of an iris diaphragm diameter is measured (Fig. 6A) and then a gain of an output of an aperture control circuit capable of canceling a reduction of high frequency component of the image signal corresponding to the measured MTF (Fig. 6B). Then, an iris diaphragm diameter varied during a photographing operation is detected, a gain set in response to the detected iris diaphragm diameter is applied to the aperture control circuit, thereby a control is carried out such that an amplitude of the high frequency component of the brightness signal (Fig. 6C) being kept substantially constant without having any relation with the iris diaphragm.

Figures 6A, 6B & 6C