ABSTRACT OF THE DISCLOSURE

An image recording and reproducing apparatus, an image pickup apparatus, and a chromatic aberration correcting method capable of performing excellent correction processing of an aperture amount of an iris and a lens image height of an object in an image pickup lens are provided.

An output signal from a camera signal processing circuit 4 is selected by a switch 5 to be supplied to a chromatic aberration correction unit 6. An aperture amount of an iris 31 provided in an image pickup lens 1 and coordinates of a pixel, to which correction processing is performed, from the chromatic aberration correction unit 6 are supplied to a conversion ratio calculation unit 10. A driving state such as a zoom focal length and focal position of the image pickup lens 1 and a camera shake correction vector are supplied to the conversion ratio calculation unit 10. Then, a conversion ratio for each color is obtained to be supplied to the chromatic aberration correction unit 6. Further, a signal corrected in the chromatic aberration correction unit 6 is compressed in a data compression circuit 15 to be supplied to a recording medium in a recording and reproducing apparatus 17. A signal reproduced from the recording and reproducing apparatus 17 is decompressed in a data decompression circuit 18 to be supplied to the switch 5.

Accordingly, picture-quality degradation occurring in a miniaturized image pickup lens can be corrected by processing a

picked-up image signal, and excellent correction processing can be performed on an aperture amount of an iris and a lens image height of an object in the image pickup lens.