ABSTRACT

A basic pattern generating unit 81 generates a film grain basic pattern 86 in which the histogram of random noise is substantially the same as the film grain basic pattern information 53. The film grain basic pattern 86 is of (64 × 64) pixels and an area of (16 × 16) pixels is cut out and supplied to a multiplier 84. Strength information 88 is generated based on film grain strength information 54 produced on the encoding side and an average value 87 of a pixel value in the area of (16 × 16) pixels of decoded image information 42. The strength of basic pattern 86 is adjusted by this strength information 88. Film grain image 89 whose strength is adjusted is added to the area of (16 × 16) pixels of the decoded image information 42 by an adder 85 by the unit of pixel.