INTELLIGENT MONITORING CAMERA APPARATUS AND IMAGE MONITORING SYSTEM IMPLEMENTING SAME

ABSTRACT

The present invention relates to a monitoring camera apparatus which directly detects motion in an image to control the pan/tilt/zoom of a centralized monitoring camera, and which transmits a wide area monitoring image and a centralized monitoring image together to a control device in a remote place, and also relates a remote monitoring system using same. The monitoring camera apparatus acquires monitoring images to be displayed in a remote control device (40), and controls a centralized monitoring imaging unit (20) without the assistance of the remote control device (40). The monitoring camera apparatus comprises a wide angle imaging unit (110), a control and signal-processing unit (120), and signal-transmitting units (160, 162). The wide angle imaging unit (110) acquires a wide angle image for a monitoring area. The control and signal-processing unit (120) detects the location of a moving object from the wide angle image, generates a control signal corresponding to the location information of the moving object to control the centralized monitoring imaging unit (20) to photograph the moving object, and receives the centralized monitoring image acquired by the centralized monitoring imaging unit (20). The signal-transmitting units (160, 162) transmit the monitoring image containing the centralized monitoring image to the remote control device (40).

Figure 1