

ABSTRACT

Disclosed are a device and a method for user authentication using a security card. The device for user authentication comprises: a card reader which, when a card is recognized, acquires a face image stored in the card; an infrared light source which
5 emits infrared rays toward a user; an infrared camera which acquires an infrared image including the facial region of the user; a color camera which acquires a color image including the facial region of the user; and a control unit which determines a result of user authentication on the basis of at least one of the infrared image, the color image, and the face image, and generates a control signal according to the result of user
10 authentication. The control unit performs a liveness test on the basis of the infrared image, and when it is determined that the result of the liveness test is successful, determines a result of face authentication on the basis of information about the facial region shown in at least one of the color image and the infrared image and on the basis of the face image acquired from the card.