

DCR COMBO PALMVEIN & SMARTCARD



The DCR Combo combines palm vein scanner and a contactless smart card reader supported different standards (Legic Advant, HID iClass SE, Mifare Desfire) into one desktop compact device. A SAM (Secure Access Module) is also possible built-in to increase the device security.

DCR Combo has a powerful ARM9 processor for on device image processing. It communicates with the smart card reader by internal secure serial interface. After a palm vein image is captured, ARM9 will process the image and generate a template for smart card storage, MoD (Match On Device) or MoC (Match On Card) processing.

DCR Combo is an ideal device for highly secure two-factor authentication application. A user can register palm vein biometric data and store on smart card (carried by user) and do MoD or MoC with a freshly captured a palm from scanner at the time of authentication. The registered biometric template will never leave the smart card that further enhances the system security.

Specification-general

- Flexible scenarios: MoC, MoD, custom user's configuration
- TCP/IP interface, plug and play device
- POE power supply IEEE802.3af class 3
- SSL encrypted connection to the management software
- WEB interface
- Free SDK
- Internal USB Host
- 3 LED indication, built in buzzer.
- Operation temperature: -20 to +50 Degree Celsius
- Dimensions (H x W x D) 195 x 115 x 120 mm

Specification - Palmvein matcher

- Palmvein scanner: optical, infrared, multispectral
- With internal memory for 300 000 palmvein template storage
- Identification time MoD mode (1:2500): 1 second
- Identification time MoC (1:1): 0,3 second
- FAR (False Acceptance Rate): 0,000006 %
- Event log capacity: 1M
- Unique serial number programmed to USB Device Descriptor

Specification - Smart card reader

- Support card reader: MIFARE Classic/DESFire EV1 (13.56 MHz), HID Prox/iClass/iClass SE (125 kHz / 13.56 MHz), Legic Advant (13.56 MHz) cards
- Read/Write Speed up to 848Kbps
- Card reading distance 30mm
- Support SAM (Secure Access module)

Typical Application

- e-Government
- e-Banking and e-Payment
- e-Healthcare
- Transportation
- Network Security