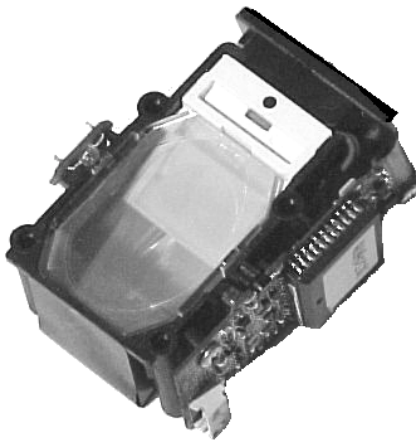




## U.are.U<sup>®</sup> 2000 Fingerprint Module



### Features

- High quality image
- Single, optimum image transmitted
- Rotation invariant
- Self-calibrating
- Challenge-response link to prevent playback attacks
- Encrypted image data
- Cancels latent fingerprints
- Works well with dry, moist, or rough fingerprints
- Proprietary optics (patent pending)
- Small footprint
- Rugged
- ESD resistant
- Low cost, compact design
- Available as a bare module or in an ergonomic plastic case
- No external interface circuitry or power supply required
- High speed USB interface
- Plug-and-Play
- Compatible with Windows 2000, NT 4.0, Me, 98, and 95 OSR 2.1 (USB)

The U.are.U 2000 Fingerprint Module is a self-contained device for capturing a fingerprint and communicating the digital image to a host processor via a USB interface. This small, easy-to-mount module is ideal for embedding in keyboards, computer monitors, and other OEM equipment where fingerprint authentication is needed.

Our low-cost, compact fingerprint Module incorporates precision optics, an LED light source, and a CMOS imager. The on-board electronics automatically capture fingerprints at the right moment for optimal identification, and control self-calibration and the Plug-and-Play USB interface. Fingerprint images are automatically encrypted within the Module before being sent to a local or remote server. A challenge-response link is used in this process for additional security.

The robust, easy-to-integrate U.are.U system has an unmatched ability to quickly recognize even the hardest to read fingerprints, and accurately reads fingerprints placed at any angle. Unlike capacitive-based sensors, our rugged, optical-based Module cannot be damaged by electrostatic discharge. In addition, it is less subject to malfunctions due to scratches and produces better image quality, especially for dry fingers. The scanning area of our Module encompasses the entire fingerprint for the greatest accuracy at a lower cost than a capacitive sensor with the same area.

The U.are.U 2000 Fingerprint Module seamlessly integrates with our recognition algorithm, applications, and Universal Authentication Manager (UAM) for fast authentication and ease of use. Software Development Kits are available for adding fingerprint recognition capability to your custom applications.

