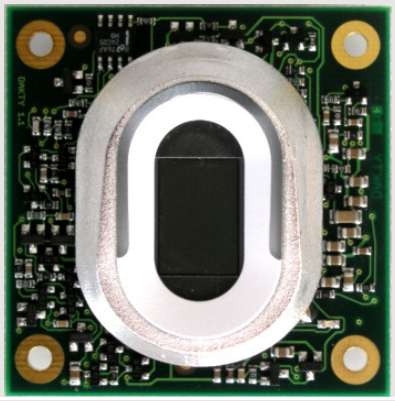
Dakty GmbH
fingerprint identification systems

Sensor module

Your tough security



Features	Direct-optical CCD sensor for capturing fingerprint images without lenses. The image of the fingerprint is acquired through a 3,6mm thick fiber optic plate.
Application	Stationary and mobile outdoor and indoor application powered by local power supply or battery. Mainly used in access control, time and attendance, or integration in automotive, avionic and vending machines.
Highlights	Hermetical fiber optic plate resists most physical, chemical and mechanical stress. Proof against vandalism to a large extent.
Fake Rejection	Integrated sensor that determines the human body capacitance. Optional pulse measuring is possible.
Active Area	9,22 x 13,82 mm / 256 x 288 Pixel
Size	50mm x 49 mm, Mount: 40 x 40mm / D=3mm
Gray Levels	10 Bit
Frame Rate	6 frames/s
Environment Light	0 to 30.000 Lux
Supply Voltage	5 Volt ± 0,15 Volt
Power Supply	idle mode: < 30 mA capturing mode: < 320 mA (peak)
Electrical Interface	parallel TTL 8-Bit, 2x8 way pins 2mm pitch 8 x bidirectional data bits, 4 x control bits
ESD	25kV according Human Body Model
Integration	Installation in devices with mounting frames or direct integration in customer systems. Connection to various microcontroller or DSP. Driver and recognition algorithms available for various operating systems.
Water Proof	IP 65 / DIN 40050 (depending on assembly)
Life Time	about 15 years
Temperature	-40°C to +85°C (-40°F to 185°F)
Storage Temperature	-40°C to +85°C (-40°F to 185°F)
Available	immediately
Article Nr.	H 101

Dakty GmbH
Neubrücker Str. 9927
D-55768 Hoppstädten-Weiersbach

Tel. +49 (0) 6782 172715
Fax +49 (0) 6782 172786
mail@dakty.com ● www.dakty.com

April 2007
Specifications are subject to change without notice