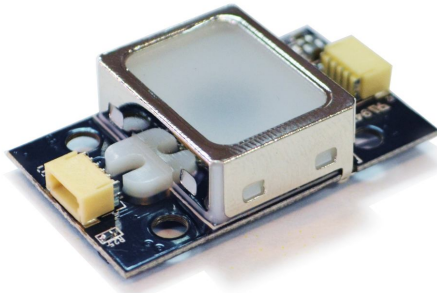# FPM-5210F32

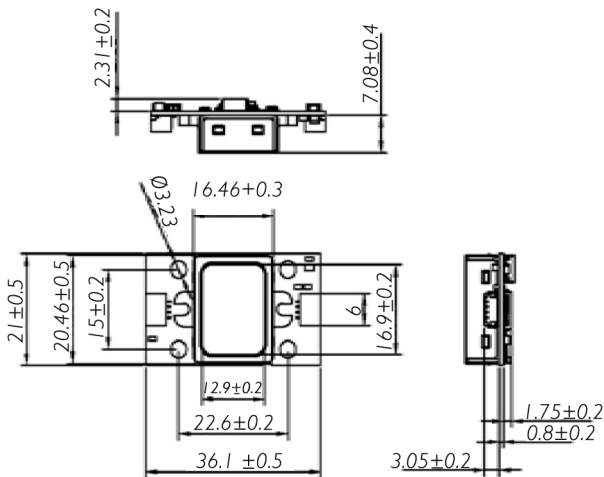## CMOS Optical Fingerprint Recognition Module

The Digimore **FPM-5210F32** is high performance fingerprint module with wake up on finger function. It is one chip fingerprint module designed for integration into products with UART interface. The active area allows stable imaging and ability to cope with mass market applications in need of both security and convenience. The reader within the Holtek HT32F22366 device is high performance, low power consumption 32-bit microcontrollers based around an ARM® Cortex™-M3 processor core and the fingerprint algorithm is processed on it.

SPECIFICATION

CPU	ARM Cortex M3 Core
Sensor	Optical sensor
Windows	16.9 mm x 12.9 mm
Effective Area of the Sensor	14 mm x 12.5 mm
Resolution / Image Size	450 dpi / 258 x 202 Pixels
Number of Fingerprints	200 fingerprints (3,000 fingerprints also available)
Algorithm Matching Mode	1 : 1, 1 : N
Size of Template	496 bytes (template) + 2 Bytes (checksum)
Interface	UART (default baud rate=9600bps after power on)
FAR/ FRR	False Acceptance Rate (FAR) < 0.001%; False Rejection Rate (FRR) < 0.1%
Enrollment Time/ Identification Time	<3 sec. (3 fingerprints); <1.5 sec.
Operating Voltage	DC 3.6V ~ 6V
Operating Current	< 130 mA
Operating Temperature	-20 to 60 degrees Celsius (20% to 80% RH, 25 degree Celsius)
Storage Temperature	-20 to 60 degrees Celsius (10% to 80% RH, 25 degree Celsius)
Dimension	36.1 ± 0.5 (L) x 21.0 (W) ± 0.5 x 9.39 ± 0.2 (H) mm

DIMENSION

* Features and specification are subject to change without notice.