

# ***Programmer's Guide for Fingerprint's SDK***



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## 1. Features

- Wison Technolgy OR200N Optical Sensor
- Support Windows 2000/XP/Vista/Windows 7

## 2. SDK Files

File Name	Descriptions
OR200N.Inf, OR200N.sys	Driver for OR200N
WisSensorNLib.dll	COM object for Fingerprint Algorithem and the sensor control
WisSensorNLib.tlb	Type library of COM object

**Note: Please have registration done before development! Only manual set is supported by entering “regsvr32 WisSensorNLib.dll” under command mode.**

## 3. SDK Functions

Class	Descriptions
WisSensorN	Main class in COM object
Methods	Descriptions
Open	Class open
Close	Class close
StartEnroll	Start enroll process
IdentifyCapture	Start capture for identification
Identify	Do identify
VerifyCapture	Start capture for verification
Verify	Do verify
StopCapture	Stop capture of identification or verification
SetDisplay	Set fingerprint image display
Events	Descriptions
DataEvent	Event process for enrollment, capture for identification, and capture for verification

## **4. Functions**

### **4.1 Class Open**

Synopsis : `Open ()`

Description : Call this function to open the class.

Parameter : None.

Return Value : None

### **4.2 Class Close**

Synopsis : `Close ()`

Description : Call this function to close the class.

Parameter : None.

Return Value : None

### **4.3 Start Enrollment**

Synopsis : `StartEnroll ()`

Description : Call this function to do enrollment.

Parameter : None.

Return Value : None

### **4.4 Identify Capture**

Synopsis : `IdentifyCapture ()`

Description : Call this function to capture fingerprint image for identification.

Parameter : None.

Return Value : None

### **4.5 Identify**

Synopsis : `Identify (string, object)`

Description : Call this function to match current fingerprint with some enrolled data.

Parameter : None.

string	Template from event returned
object	Enrolled templates (string array)

Return Value :

<0	Failed to identify
>=0	Success with matched array index

#### **4.6 Verify Capture**

Synopsis : `VerifyCapture ()`

Description : Call this function to capture fingerprint image for verification.

Parameter : None

Return Value : None

#### **4.7 Verify**

Synopsis : `Verify (string, string)`

Description : Call this function to match current fingerprint with one enrolled data.

Parameter :

string	Template from event returned
string	Enrolled template

Return Value :

0	Failed to verify
1	Successful verification

#### **4.8 Stop Capture**

Synopsis : `StopCapture ()`

Description : Call this function to stop capture of identification or verification.

Parameter : None.

Return Value : None

#### **4.9 Set Display**

Synopsis : `SetDisplay(int)`

Description : Call this function to set fingerprint image display.

Parameter :

int	The PictureBox handle
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Return Value :

int	Reserved
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#### **4.10 Event**

Synopsis : `DataEvent(WisSensorNLib.DATA, string)`

Description : Event function of enrollment, capture for identification and capture for verification.

Parameter :

WisSensorNLib.DATA	Event type
string	Returned template

Return Value : None

## 5. Control Flows

