User's guide

<div style="border:2px solid red">

For product developers and software developers

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Please read this user's guide before starting development.

Software items are stored in the attached CD.

You are able to develop application software operating the sensors with the items stored in the attached CD. There are libraries, function manuals, sample source codes and so on.

When you develop application software, please read Application Note and Function Manual.

Function Manual and Application Note are stored on the attached CD-ROM.
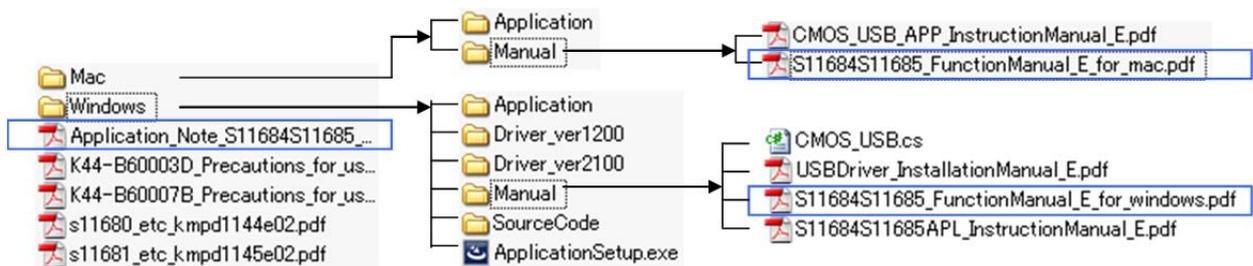
Function Manual; "S11684S11685_FunctionManual_E_for_windows.pdf"

"S11684S11685_FunctionManual_E_for_mac.pdf"

Application Note; "Application_note_S11684S11685_MonthDay_Year.pdf"

## You can operate the sensor with <u>CMOS_USB.dll</u>.

CMOS_USB.dll is the library designed to operate the sensor easier. Your application software can communicate with the sensor with functions of CMOS_USB.dll.

CMOS_USB.dll is stored on the attached CD-ROM.

When you develop 64-bit application software, please refer to the directory named "x64".

libCMOS_USB.dylib is designed for Mac OS X Mountain Lion and Mavericks.
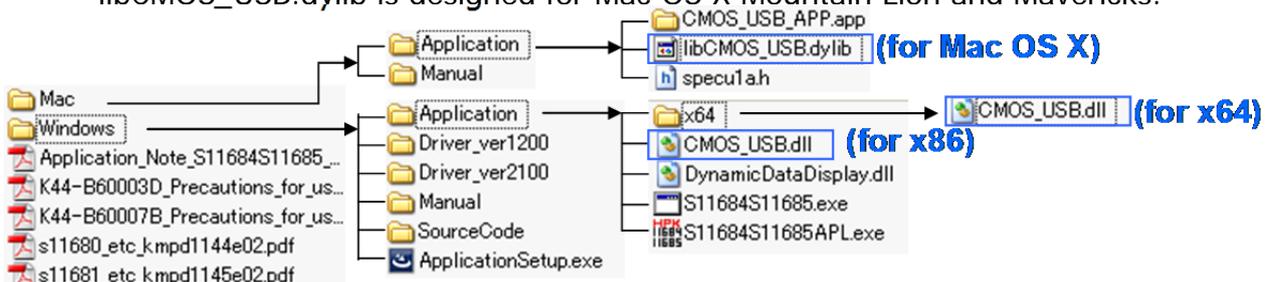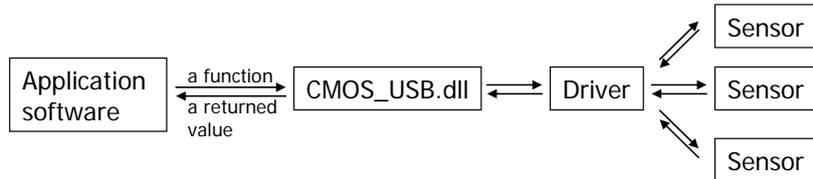
The following are the examples of what you are able to implement on Windows and Mac OS X.

Ex.1 **Acquiring data (X-ray images, serial number and so on)**

Basic operation is described in the function manual stored on the attached CD.

Ex.2 **Operating more than one sensor**

We confirm that three sensors are operated properly at a time.

Ex.3 **Detecting the connection and disconnection of the sensor programmatically**

Windows and Mac OS X have API to detect connections of USB devices. For more information, please refer to the application note stored on the attached CD-ROM.
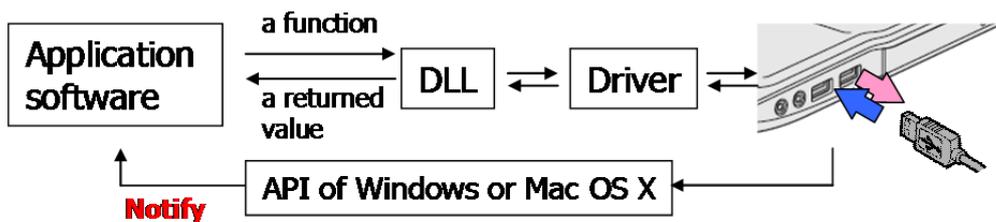
Ex.4 **Lower the consumption current of the sensor**

You are able to lower the consumption current of the sensor with the suspend state. As a result, the surface temperature of the sensor becomes lower. However, **Windows XP does not support the suspend state**. For more information, please refer to the function manuals.

Room temperature is 25 degrees Celsius