

## Software Development Kit

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### Installation

This SDK supports all 9th generation scanners and a few others – please refer to SS/ICD/005 for details.

This software can be run in 32 or 64 bit on the Windows operating systems supported by WIDESystem 5.3.0 or higher.

### Instructions

The SDK contains:

- Low level API. To use the low level SDK, WIDESystem must be installed. WIDESystem is the driver layer for the scanners.
- Documentation on the Context One Touch API.
- Documentation on the Nextimage TWAIN driver.

All are illustrated through a set of simple samples.

### SDK Structure

```
<SDK root>\
  SDK LowLevel\
    Include\
    Lib\
    Samples\
      Scan\
  One Touch\
  Twain\
```

In the following table the content of the folders is briefly described.

Folder	Files in folder
<SDK root>	Root folder of the SDK (selected at install-time) contains  <b>Readme.htm</b> : This file.  <b>License.pdf</b> : License agreement for users of the SDK.
<SDK root>\SDK LowLevel	<b>LowLevelSDK.pdf</b> : Documentation for the ctx_scan_2000 based low-level API.  <b>Interface Control Documentation.pdf</b> : Contains a detailed description of each command and its parameters for 9th generation scanners and onwards.
<SDK root>\SDK LowLevel\Samples\Scan	Sample Visual Studio 2010 C++ application that demonstrates using the low level SDK.
<SDK root>\SDK LowLevel\Include	<b>Ctx_scan_2000.h</b> : Header file used with the low level SDK. <b>Ctx_scan_2000_loader.cpp</b> : Source file used to access the library functions.
<SDK root>\OneTouch	<b>One Touch SDK.pdf</b> Describes how to program for using one touch buttons.
<SDK root>\TWAIN	<b>Nextimage TWAIN Driver.pdf</b> Documentation on the 32-bit and 64-bit TWAIN driver.

## Literature List

For more information on the USB and SCSI protocols please refer to the following literature:

USB	"Universal Serial Bus Specification" Rev. 1.1 (Sept. 23, 1998) Anderson, Don: "Universal Serial Bus System Architecture" (ISBN 0-201-46137-4) Hyde, John: "USB Design by Example" (ISBN 0-4 71-37048-7)
SCSI	"SCSI-2 standard" ANSI X3.131-1994

## Version Changes

### Changes from 14.0 to 15.0

ID	Note	
40	Change	The Interface Control Document is updated to include IQ Quattro X scanner support

### Changes from 13.0 to 14.0

ID	Note	
39	Change	Low level SDK documentation has been updated with specific information about the HD Ultra X scanner.
38	Change	The SimpleScan sample application has been updated with HD Ultra X specific code: <ul style="list-style-type: none"><li>• Sample code to get scanner to sleep</li><li>• Detection of Center or Side load</li><li>• SCAN_OBJ_POST_POS_EJECT_FRONT renamed to SCAN_OBJ_POST_POS_EJECT_ROLLERS</li></ul>
37	Change	The Interface Control Document has been updated

### Changes from 12.0 to 13.0

ID	Note	
36	Change	The SimpleScan sample application has been updated: <ul style="list-style-type: none"><li>• Source code updated</li><li>• Support of two platform s: x64 and Win32</li><li>• The program creates BMP files</li><li>• The solution is upgraded to Visual Studio 2010</li></ul>
35	Change	The Interface Control Document has been updated
34	Change	Updated files in INCLUDE folder to support both 32-bit and 64-bit programs.

### Changes from 11.0 to 12.0

ID	Note	
33	Change	Updated One Touch document with new "Start" button
32	Change	The SimpleScan sample application has been updated with more sample code: Post Scan Original Handling, Better Handling of error scan
31	Change	The Interface Control Document has been updated to reflect new scanner features
30	New	Nextimage TWAIN driver documentation.
29	Change	Removed Scan2Net sample and documentation.

## Changes from 10.2 to 11.0

ID	Note	
28	Change	The SimpleScan sample application has been updated with more sample code: Soft paper handling, Center/Side load, ScannerName and High scanner resolution
27	Change	Low level SDK documentation has been updated. Includes the new API: scanGetScannerNameToDisplay
26	Change	The Interface Control Document has been updated to reflect new scanner features
25	Change	Removed unsupported sample programs (High level Scan and Hollerith).
24	Change	The ctx_scan_2000 library has been removed. CTX_SCAN_2000.dll is delay loaded now - see Low level SDK documentation for details.

## Changes from 10.1 to 10.2

ID	Note	
23	Change	Minor change in how SimpleScan reads NumberOfCameras.
22	New	Add description of Horizontal adjustment factor in the Interface Control Document.
21	Change	Description of ghost system updated in the Interface Control Document.

## Changes from 10.0 to 10.1

ID	Note	
20	Change	SimpleScan was using 'Physical scan width' instead of 'Maximum scan width'.
19	Change	SimpleScan sometimes got "noise" in the image data when scanning in Colour scan on an HD scanner.
18	Change	The SimpleScan sample program did not use "NumberOfCameras" when reading No. of pixels used for each camera.