

Software Development Kit

[Installation](#)

[Instructions](#)

[Literature List](#)

[Version Changes](#)

Installation

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

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

Instructions

The SDK contains:

- Low level API. To use the low level SDK, WIDSystem must be installed. WIDSystem is the driver layer for the scanners.
- Documentation on the Contex 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 Readme.htm: This file. License.pdf: License agreement for users of the SDK.
<SDK root>\SDK LowLevel	LowLevelSDK.pdf: Documentation for the ctx_scan_2000 based low-level API. Interface Control Documentation.pdf: Contains a detailed description of each command and its parameters for 9 th 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	Ctx_scan_2000.h: Header file used with the low level SDK. Ctx_scan_2000_loader.cpp: Source file used to access the library functions.
<SDK root>\OneTouch	One Touch SDK.pdf Describes how to program for using one touch buttons.
<SDK root>\TWAIN	Nextimage TWAIN Driver.pdf 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 0-471-37048-7)

SCSI "SCSI-2 standard" ANSI X3.131-1994

Version Changes

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">* Sample code to get scanner to sleep* Detection of Center or Side load* SCAN_OBJ_POST_POS_EJECT_FRONT renamed to SCAN_OBJ_POST_POS_EJECT_ROLLERS
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">* Source code updated* Support of two platforms: x64 and Win32* The program creates BMP files* The solution is upgraded to Visual Studio 2010
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.