

LNScan for Lotus Notes

professional scanning solution for Lotus Notes environment

LNScan - Ultimate Scanning Solution for Lotus Notes

LNScan is a **Windows DLL** application which works with Lotus Notes and your scanner. Lotus Notes communicates with LNScan via LotusScript functions, LNScan.dll connects to the scanner via TWAIN. When the scanning is complete, LNScan is closed and images are put to LotusNotes document.



LNScan uses the Twain interface to communicate with the scanner, so it supports a wide range of scanners.

- Can create JPG, BMP, TGA, PNG and TIFF (also multipage) image attachments in a LN document.
- Can set the JPEG quality. **[New]**
- Can set the DPI and color type in scanning environment before scanning. **[New]**
- Can start scanning immediately (scanning environment is not displayed). **[New]**
- Can modify the DPI, color type, bitdepth and scale of the scanned image. **[New]**
- Can paste scanned pictures into a richtext field.
- Can load the image from disk into a clipboard and paste it as picture into a richtext field. **[New]**
- Is shipped with a LotusScript library which contains scanning functions for your use (but you can still call the DLL directly and write your own handling).
- Can be modified to perform special image transformations - rotations, sharpening and many more.
- No temporary files are left on disk(our script library deletes them after they were put to a notes document).

Solution for users and developers

Creating image-file attachments

USER'S VIEW: "Just click the Scan button in your LN database and scan the images. Attachments are created automatically."

PROGRAMMER'S VIEW: LN database application calls the function **ScanImageAttachments(...)** from LNScanLib script library. Supply the notes document, richtext field name and image file name as parameters.

Presetting DPI & Colors:

USER'S VIEW: "Do you find annoying that your HP scanning always preset 200 DPI when you want 150, and 16.7 millions of colors when you want Grayscale ? LNScan can do it for you".

PROGRAMMER'S VIEW: When calling the scanning function, supply your DPI and Colors type and LNScan will preset them before the scanning environment is opened.

Modifying the image after scanning:

USER'S VIEW: "Okay, you do not need to understand

how to scan, just press the button and the image will look like we need, ok ?".

PROGRAMMER'S VIEW: Image can be modified after scanning before it's imported into LN. Supply your own DPI, COLORS, BITDEPTH and SCALE to the scanning functions ScanImageAttachment(...) or ScanImageClipboard(...) and the image will be changed so. For example you want to store all your incoming invoices as images in some database. Images have to be readable and files have to be reasonably small. Then you have to choose the proper format and color palette. Not all scanners support creating 4 colour grayscale PNGs. LNScan can.

Direct scanning:

USER'S VIEW: "Look, to start scanning you need to click only ONCE."

PROGRAMMER'S VIEW: It's nothing difficult, there's a parameter for it. Scanner will start scanning immediately and the result image will be in the desired format.

Picture in a Richtext field

USER'S VIEW: "Click the Scan button and the picture will appear in mail body"

PROGRAMMER'S VIEW: LN database application calls

the function **ScanImageClipboard(...)** and specifies the notes UI document and richtext field name. Images are scanned and one by one are pasted into selected richtext field.

Creating new documents with images

USER'S VIEW: "It's all the same, press the button, scan images and a new document will appear".

PROGRAMMER'S VIEW: Directly call the DLL function *ScanToAttachments(...)* and supply the path-and-image-name in a folder where images should be created. Its return value is the sum of the created images. Then, for each image just create new document and attach the image to it (browse LNScanLib script library for hints). You control how new documents will look and which fields they will contain.



Modifying LNScan

USER'S VIEW: "We want to rotate the image by 10 degrees clockwise, little bit brighten it, and then apply our own convolving matrix"

PROGRAMMER'S VIEW: There are many things which can be adjusted to your needs. Some can be already preset and/or adjusted by user, but special wishes like rotating, brightening, sharpening, convolving matrix operations and other can be granted too. Send us an e-mail and we'll modify the LNScan to do exactly what you want.

Do you need custom LNScan modification?

What features do you miss?

Tell us what you want to have in LNScan and we will prepare a customized version of LNScan just for you. [Send us](#) your request and we will send you a quote based on the required changes and implementation.

Technical product support

Having trouble with LNScan? Please fill the [following form](#) and we will respond to your queries as soon as possible. For specific problems you can use [email contact](#).

Hint: If something does not work with LNScan, please try to scan with some other application, for example the Imaging for Windows. Maybe you'll find out that the "error" is "feature" of the scanning environment.

Here is a list of FAQs.

Q: Why is the direct scanning NOT working on my scanner ? What can I do ?

A: Some scanners just ignore this TWAIN setting, so there's nothing we can do about this. Sad, bud true.

Q: I can't scan multiple images when my scanning environment is opened. It is automatically closed after I scan one image!

A: Yes, that's annoying! Some HP scanning software does this. Twain compatible scanner software should

allow the user to scan multiple images in one scanning session. We suggest you upgrade your scanning software or contact your scanner dealer.

Q: Each time my scanning environment window is opened, default settings are preset. It bothers me!

A: When presetting DPI and Colors to the scanner by LNScan, please check if the corresponding Preset/Adjust parameter is set to correct value. See LNScan help for details...

Q: Do I need Lotus Notes client installed on the machine with LNScan?

A: If you want to scan from LotusNotes, yes. But, though LNScan was designed to work mainly for LotusNotes, it can be used in other applications as well, as long as they allow calling dll functions (VisualBasic, VisualC++, Delphi etc.).

Q: Can I store scanned pictures on the server as well as into a local database?

A: Yes, LNScan is controlled from LotusScript, so you have access to all Lotus Notes resources.

Q: I get "Operation error" when I run the new version of LNScan.

A: Try to re-select scanner again, and/or check if you have permission to write in the temp folder where LNScan creates files.

Q: Why is LNScan now a DLL ?

A: It's better to have a dll with functions you can call from LotusScript, because the code is now more readable.

Q: Why there is not a function in LNScanLib script library for "Scan 10 images and 10 documents are created" ?

A: It requires a lot of information to specify how new documents should look and where they should be created. The server, database, form, field names, field types, field values, consider all these as parameters in some function - you get the result: too many. DLL function *ScanToImages* is the solution for the "Scan ten images" part of the problem. The rest "...and ten document is created" is up to you. Look into the dllInscan.nsf demo database for ideas.



TCL DigiTrade Ltd.
(Headquarter)

Areal VUHZ 240
Dobra, 739 51
Czech republic
Tel: +420 558 601 767
Fax: +420 558 601 754
email:
lnscan@lnscan.com

TCL DigiTrade Ltd.
(Branch)

Tricon Plaza,
Braintree Industrial
Estate,
Braintree Road,
South Ruislip,
Middlesex
HA4 0EJ
Tel: +442 088 390 024
[Fax: +442 088 458 792](tel:+442088458792)