ITNS-300
User Manual
VERY IMPORTANT!!

PLEASE READ BEFORE INSTALLING DRIVER!!!

Please verify your computer operating system information BEFORE INSTALLING THE DRIVER FOR THIS SCANNER to obtain the compatible driver.
To see if your computer is running 32-bit or 64-bit Windows, please follow the instructions below:
1. Click on the Start button on your computer desktop.
2. Click on Control Panel then click on System.
3. From System, choose the general (XP)/system and maintenance tab (VISTA) and you will be able to view the operating type which will show as 64 bit or 32 bit.
4. For Vista/XP users: if your system is 32 bit, your system information may not display this clearly. If your system is of 64 bit, this information will be displayed in your system tab next to the “system type” information.
ONLY INSTALL THE 64 BIT DRIVER IF IT IS CLEARLY STATED THAT YOUR SYSTEM TYPE IS OF 64 BIT!!!

If the incorrect driver is installed, the scanner will not work.
If this happens, first uninstall the incorrect driver by using the remove/uninstall program option on your control panel of your computer system and remove "35mm film scanner" driver. After the removal of the incorrect driver, the computer must be restarted to install the correct driver following the instructions provided on this manual.
I. Unpack the ITNS-300

- ITNS-300
- Negative Film Holder
- Slide Film Holder
- CD-ROM
- Quick Installation Guide
- Clean Brush

**Note**

- This film scanner supports Windows XP and Vista (32/64bits) via USB 2.0 only.
- We strongly suggest using a clean, dry, non-alcohol cotton swab to insert into the film scanner slot and clean the glass surface periodically to produce a clear image.
- Make sure all negative films, slide films, and cover trays are free of dust and dirt before inserting into the ITNS-300 as this may affect the image quality when scanning.
- When cleaning films, please use a professionally recommended purger from a photo store to avoid damaging old or precious films.
II. Driver Installation

To use the ITNS-300, please complete the following installation in advance.

1. Turn on the computer
2. Insert the installation CD into the CD-ROM drive and the installation CD menu will appear
3. When you see the following screen, choose “Installation x86/32bits”.
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4. Follow the on-screen instructions. (XP/Vista)
Ready to Install the Program
The wizard is ready to begin installation.

Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield Wizard Completed

The InstallShield Wizard has successfully installed 35mm Film Scanner X86. Click Finish to exit the wizard.

Installing 35mm Film Scanner X86

The program features you selected are being installed.

Please wait while the InstallShield Wizard installs 35mm Film Scanner X86. This may take several minutes.

Status:
InstallShield Wizard Completed

The InstallShield Wizard has successfully installed 35mm Film Scanner X86. Click Finish to exit the wizard.
5. After completing software installation, please connect ITNS-300 to PC. The New Hardware Wizard will detect a new device.
6. Select “Yes” in XP or “Locate and install driver software (recommended)” in Vista OS.
7. After completing the installation, the filmscanner is ready to start with “35mm FilmScanner” AP under program files. (XP/Vista)

III. Using the ITNS-300
Installing film into the film holder

Install slide Film into the holder entitled “Slides Only”

1. Open the slide holder as illustrated

2. Place slide in recessed slot in holder

3. Close the film holder
Install Negative Film into the holder entitled “Negative Film Only”:

1. Open the film holder as illustrated

2. Install film into negative film slot

3. Close the film holder
To avoid a mirror image, follow the serial numbers (from left to right) on top of film when installing negative film into holder.

Figure 1

If the image is upside down [see fig.2], the image can be corrected by “Mirror” function in AP after capture [see fig.3].
How to use ITNS-300

1. Put Film into film holder

2. Insert the film holder into the right side of the ITNS-300 unit
3. Connect ITNS-300 to PC

4. Click “35mm Film Scanner” AP to enter operation interface as below
5. Press “Copy” button to capture the image

6. Process necessary modification by function buttons in right hand side
7. Save captured images to PC

8. Get final images from PC for further review and edit
**User interface introduction**

When user selects a “Negative” source, the image in “Live View” window will be exactly like the processed result.
If device processes a slide, the “Live View” will show a color image and the FilmType will remain the same.

This is the live view under black and white negative option.
User can convert images from traditional film to digital either by “Snap Shot” button in AP or the button on top of filmscanner. Then, the capture result will appear in the “Snap Shot” and “Final images to save” window.

All of the effects in AP will be ready for instant preview in “Snap Shot” and “Final images to save” window.
Apply the Mirror function by pressing the “Mirror” icon, that will flip the image and be shown in the “Snap Shot” window as well as the “Final images to Save”.

Or apply the Rotate function by pressing “Rotate” button, the image will be rotated 90 degrees each time. Images can be continuously rotated a full 360 degrees or until desired.
If the user wishes to delete a specific image from the capture pool, simply click the image under “Final image to save” again, then the selected image can be deleted by applying the “Delete” button.

After modification, user can save images to the default location at “C:\Documents and Settings\Users\My Documents\My Pictures”.

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Or define preferable location for saving captures images by pressing the directory button. Another window will pop out for user to select required location.

Once press “Save” key, all of captures images will be saved into defined location. The “final image” saving window shall be empty after press the “Save” button.
When the capture is complete, the user can press “Exit” button to quit this AP. Then, review captured images or process more fancy modification with bundle software for PC.
### IV. Specification

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor:</td>
<td>1/1.8 inch 5 mega CMOS sensor</td>
</tr>
<tr>
<td>Lens:</td>
<td>F no.=2.0, 4 Glass elements,</td>
</tr>
<tr>
<td>Focus Range:</td>
<td>Fixed focus</td>
</tr>
<tr>
<td>Exposure Control:</td>
<td>Automatic</td>
</tr>
<tr>
<td>Color Balance</td>
<td>Automatic</td>
</tr>
<tr>
<td>Scan Quality</td>
<td>1,800 dpi /3600 dpi (SW interpolation)</td>
</tr>
<tr>
<td>Data Conversion</td>
<td>10 bits per color channel</td>
</tr>
<tr>
<td>Scan Method</td>
<td>Single pass</td>
</tr>
<tr>
<td>Light Source</td>
<td>Back light (3 white LEDs)</td>
</tr>
<tr>
<td>Interface:</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>Power:</td>
<td>USB port</td>
</tr>
<tr>
<td>Dimensions</td>
<td>82x86x152mm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.58kg</td>
</tr>
<tr>
<td>Operating Systems</td>
<td>Windows XP/Vista</td>
</tr>
</tbody>
</table>
V. Cleaning the ITNS-300

Please remove the film holder from device when you notice any dust in the live view window.

Then you can use the cleaning brush to wipe away dust.

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**Note**

✧ We strongly suggest using a clean, dry, non-alcohol cotton swab to clean the glass surface periodically to produce a clear image during operation.
Innovative Technology Electronics Corp.
Limited Warranty
90 Days Labor, One Year Parts

Innovative Technology Electronics Corp. (IT) warrants the product to be free from “Defects” in materials under normal use for a period of “One Year” from the date of the original purchase. The Warranty is “Not” transferable. IT agrees, within the initial “90 Day” period, to repair the product if it is determined to be defective at “No Charge”. It is further agreed that IT will cover the cost to repair or replace damaged “Parts” only for a total period of “One Year” from the date of the original purchase. The warranty does not cover cosmetic damage, antennas, AC cords, cabinets, headbands, ear-pads, or damage due to line power surges, connection to improper voltage supply or settings, misuse, mishandling, accident, acts of God or attempted repair by an unauthorized service agent.

To obtain service, the original purchaser MUST present a sales receipt / proof of purchase indicating date of purchase, amount paid, and place of purchase. Send the unit prepaid to the address below in the original packaging or reasonable substitute to prevent damage. You “Must” include your full name, shipping address and telephone number. No return will be shipped back to a PO Box. Please include your check or money order in the amount of $12.00, payable to Innovative Technology Electronics Corp. to cover handling and return shipping charges. (IT) will not be responsible for delays or unprocessed claims resulting from a purchaser’s failure to provide any or all of the necessary information.

Send all inquiries or returns to:
Customer Service Dept.
Innovative Technology Electronics Corp.
4 Anchor Way, Port Washington, NY 11050
Tel : 1-877-ITECH-97 (1-877-483-2497)
EMAIL: support@ithomeproducts.com

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