### Mobile POS Tablet Barcode Scanner

#### **Peripheral Scanning Tool**

Follow below steps to check the scanner module with **Peripheral Scanning Tool**.

- 1. Click Start | All Programs | Utilities | Peripheral Scanning Tool.
- 2. Select POS Tab.

**DT** Reséarch

- 3. Check the Scan Scanner from checkbox.
- Press Auto Scan and OK to make sure your scanner is detected.
- 5. Restart the unit after the Peripheral Scanning Tool is done.

| 😤 PeripheralScanningTool 💽  |
|---|
| Camera POS Wireless   |
| Scanner Honeywell 2D Scanr 💌 Firmware BI000257EAA   |
| Com COM3 💌 BaudRate 🔍 DataBts 🔍   |
| StopBits V Parity V Scan Scanner  |
| RFID      -      Firmware        Com      -      BaudRate      -      DataBts      -        StopBts      -      Party      -      I Scan Rifd |
| MSR   |
| Auto Scan OK Cancel   |

#### **To Connect Barcode Scanner Module**

To connect the Barcode Scanner, you can use the **Keyboard Wedge**. Tap on the *is* icon in the task bar, a menu displays as shown in the picture below. Select Connect Scanner.



#### To Test Barcode Scanner Module

- 1. Click **Start | All Programs | Accessories | NotePad** to run the Notepad.
- 2. Scan one of the several supported barcodes. The output will appear in the Notepad screen.
- 3. Verify the captured data.

# Unitied - Notepad

#### The Default Port Parameters for Barcode Scanner Module

| Port         | COM3   |
|--------------|--------|
| Baud Rate    | 115200 |
| Data Bits    | 8      |
| Parity       | None   |
| Stop Bits    | 1      |
| Flow Control | None   |

#### SPECIFICATIONS

| Scanning<br>Performance | Scan rate          | 60fps auto adaptive                 |  |  |
|-------------------------|--------------------|-------------------------------------|--|--|
|                         | Scan angle         | Tilt: 360°/ Pitch: ±45°/ Skew: ±65° |  |  |
|                         | Optical resolution | CMOS 844 X 640 pixels               |  |  |
|                         | Print contrast     | down to 20%                         |  |  |

Note: Specifications are subject to change without notice.



Linear Imager Compliance and Precaution This product complies with the following standards for laser and LED safety. IEC 60825-1 Class2 LASER Product



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## DT Research Mobile POS Tablet CMOS Camera

#### **Peripheral Scanning Tool**

Follow below steps to check the camera module with Peripheral Scanning Tool.

- 1. Click Start | All Programs | Utilities | Peripheral Scanning Tool.
- 2. Select Camera Tab.
- 3. Check the Scan Camera from checkbox.
- Press Auto Scan and OK to make sure your camera is detected.
- 5. Restart the unit after the Peripheral Scanning Tool is done.

| 🎏 PeripheralScan   | ningTool          | ×             |
|--------------------|-------------------|---------------|
| Camera POS         | Wireless          |               |
| Module 1           | Toshiba Camera    | •             |
| FriendlyName1      | USB 2.0 PC Camera | •             |
| Module2            | Toshiba Camera    | <b></b>       |
| FriendlyName2      | USB Video Device  | -             |
|                    |                   | 🔽 Scan Camera |
| Auto Scan<br>Ready |                   | OK Cancel     |

#### To Test CMOS Camera Module

To test the CMOS Camera, launch DTSMCap Utility from Start | All Programs | Utilities.

Select File | Set Capture File to assign the location of the captured files.



- Click Options | Preview to preview the capture screen.
- Click Devices to select your camera device.
- Take a picture from Snap | Go
- Capture the Video from Capture | Start Capture to start and Stop Capture to end it.
- You also can trigger from the assigned button, then edit the captured files



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## DT Research Mobile POS Tablet RFID Reader

#### **Peripheral Scanning Tool**

Follow below steps to check the RFID module with Peripheral Scanning Tool.

- 1. Click Start | All Programs | Utilities | Peripheral Scanning Tool.
- 2. Select POS Tab.
- 3. Check the Scan Rfid from checkbox.
- 4. Press Auto Scan and OK to make sure your RFID reader is detected.
- 5. Restart the unit after the Peripheral Scanning Tool is done.

| Port         | COM4 |
|--------------|------|
| Baud Rate    | 9600 |
| Data Bits    | 8    |
| Parity       | None |
| Stop Bits    | 1    |
| Flow Control | None |

#### The Default Port Parameter for RFID Module

#### To Connect RFID Reader Module

To connect the RFID, you can use the **Keyboard Wedge**. Tap on the icon in the task bar, a menu displays as shown in the picture below. Select **Connect RFID**.



#### To Test RFID Reader Module

- 1. Click Start | All Programs | Accessories | NotePad to run the Notepad.
- Place an RFID tag or RFID card within range of the RFID Reader. The output will appear in the Notepad screen.
- 3. Verify the captured data.

| Untitled - Notepad         | _ <b>D</b> X |
|----------------------------|--------------|
| File Edit Format View Help |              |
| B02521E9A59B04:IS014443B   |              |
|                            |              |
|                            |              |
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## DT Research Magnetic Stripe Reader

#### **Peripheral Scanning Tool**

Follow below procedures to scan the MSR module from

Peripheral Scanning Tool first.

- 1. Click Start | All Programs | Utilities | Peripheral Scanning Tool.
- 2. Select POS Tab.
- 3. Check the Scan Msr from checkbox.
- Press Auto Scan and OK to make sure your module is detected well.

#### To Connect Magnetic Stripe Reader Module

To connect the Magnetic Stripe Reader, use the Keyboard Wedge. Tap on the icon in the task bar, a menu is displayed as shown in the picture to the right. Choose Connect MSR.

#### **To Configure MSR**

Camera POS Wireless Scanner Honeywell 2D Scanr - Firmware BI000257EAA Com COM3 💌 BaudRate DataBts Stop Bits Parity Scan S - Firm REID -Com BaudBate DataBts Stop Bits 🔽 Scan Rfid Parity Firmware MSR170/127/22/25L(R)-60 MSB CHD 170 Com COM2 💌 DataBits 8 BaudBate 19200 Ŧ Stop Bits 0 • • Party 0 Scan Mar Auto Scan ок Cancel Ready Connect Scanner Disconnect MSR

😤 PeripheralScanningTool



For a magnetic stripe card, the raw data in each data

track may contain start and end sentinel characters. To remove those characters, you can select the MSR Setting command to parse input raw data and filter out the start and end sentinel characters on each track.

- Click MSR setting in the WebDT Keyboard Wedge menu, and the Msr Parse Format Setting window will be displayed.
- Choose Enable in the Parse Data section.
  Choose data you want to parse at the start or end of each track.

For Example:

Check Track 1

- In Start Sentinel Character, select %
- In End Sentinel Character, select ?
- 3. Click OK to complete the settings

|        | Data    |          |            |        |     |         |             |            |     |
|--------|---------|----------|------------|--------|-----|---------|-------------|------------|-----|
|        |         |          | Enable     | le     |     | O Disab | le          |            |     |
| Parse  | Data F  | ormat    |            |        |     |         |             |            |     |
|        |         | 7Bit     |            |        | ABA |         | JIS-II      | AAMVA      | IBM |
|        | TK1     | TK2      | TK3        | TK1    | TK2 | TK3     |             | TK3        |     |
| SS [   | % -     | \$ -     | & •        | : •    | ; • | - + -   | * •         | # •        | ; – |
| ES [   | ? •     | ? -      | . •        | ? -    | 7.  |         | · •         | <b>?</b> • | < • |
|        |         |          |            |        |     |         |             |            |     |
| Add Ai | ddition | al Chara | cters in T | Fracks |     |         |             |            |     |
|        |         | Retwee   | Tracks     |        |     | At th   | e End of Tr | acks       |     |

#### To Test Magnetic Stripe Reader Module

- 1. Click Start | All Programs | Accessories | NotePad to run the NotePad.
- 2. Swipe a magnetic stripe card through the module. The output will appear in the NotePad screen.
- 3. Verify the captured data.

#### Default Port Parameters for Magnetic Stripe Reader Module

| Port         | COM2  |
|--------------|-------|
| Baud Rate    | 19200 |
| Data Bits    | 8     |
| Parity       | None  |
| Stop Bits    | 1     |
| Flow Control | None  |



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