

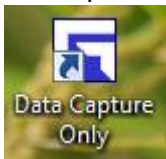
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Recommended startup procedure

- A. Start Gulfcoast Retail Gateway
- B. Start POS Simulator
- C. Start NUUO Mainconsole

Chapter I. Configure Retail Gateway System

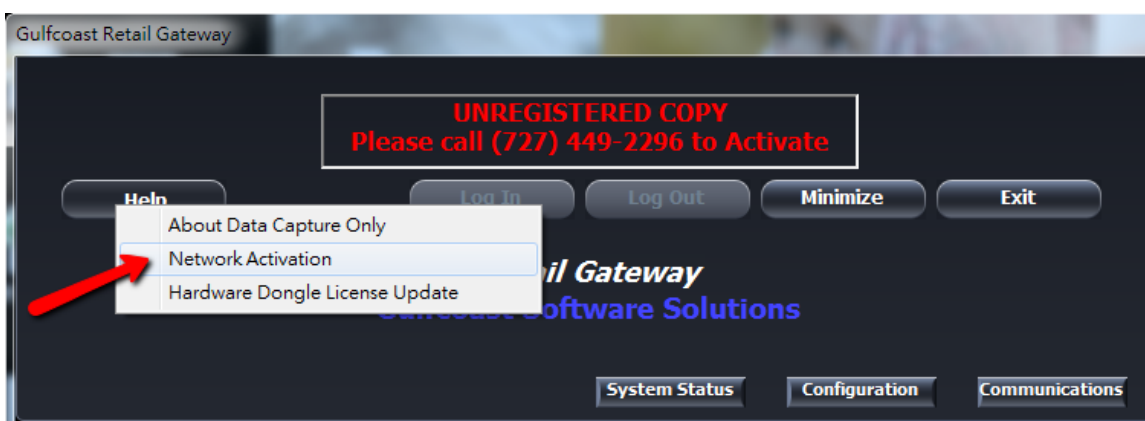
1. Install Gulfcoast Retail Gateway software
2. Open Gulfcoast Data Gateway software



3. You will find this icon at Windows taskbar. Right click on this icon and then click "Open".

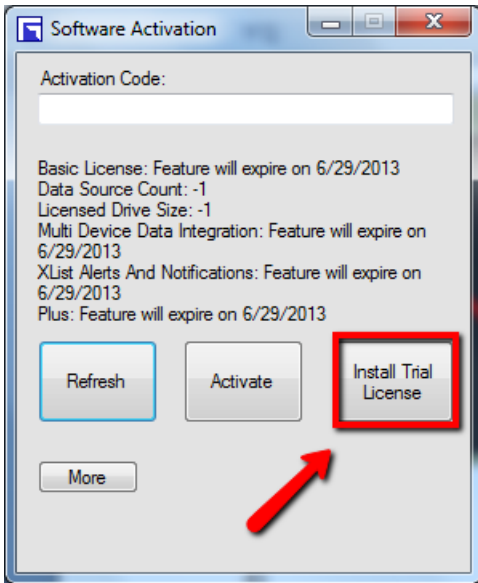


4. Click "help" at the UI of Gulfcoast Retail Gateway.



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5. Click "Install Trial License"



6. Click "Log In" to start this software.

Username: **video**Password: **southerndigital**

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7. Go to “Data Interface”, select each column as

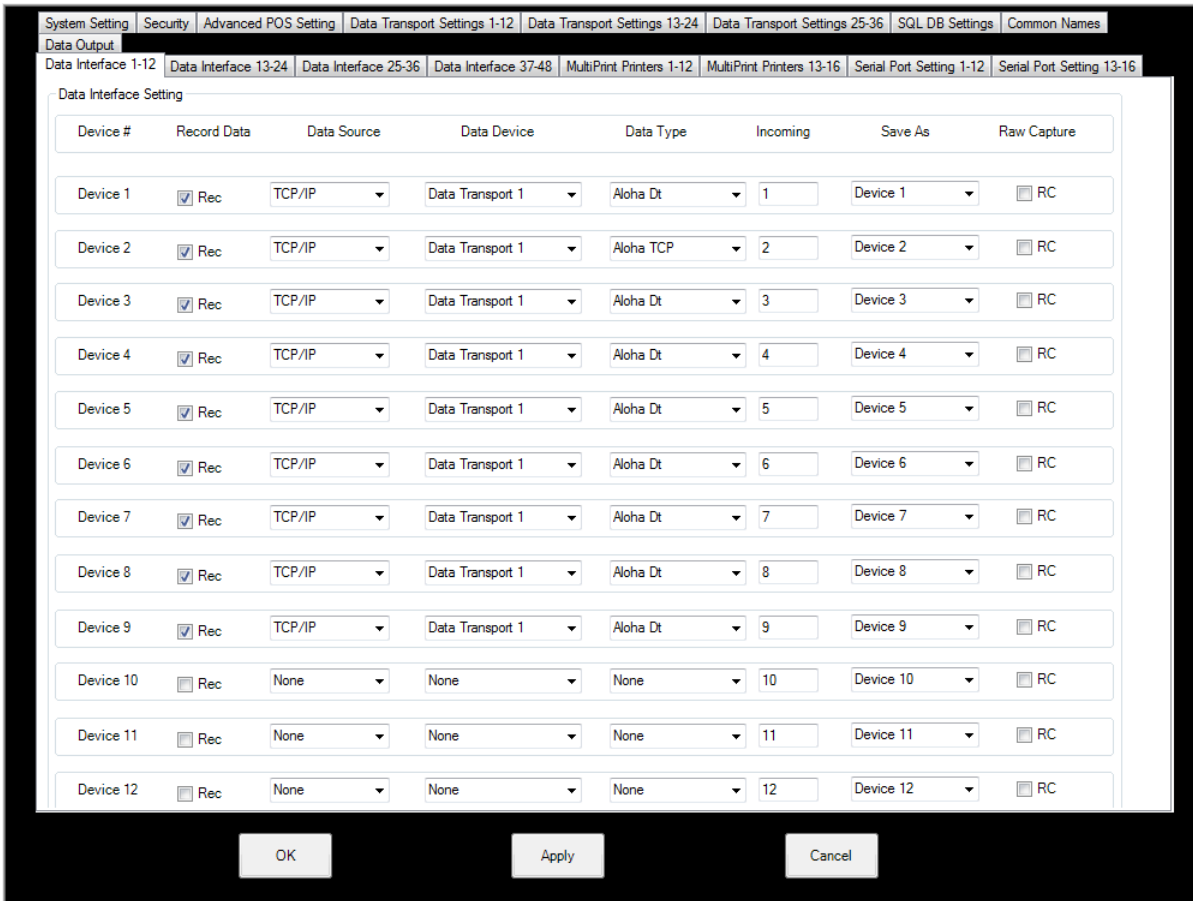
*Record data: Enable device 1~9,

*Data source: TCP/IP,

*Data device: Data Transport 1,

*Data Type: For POS please select “Aloha DT” ; For ATM please select “Gulfcoast Standard”

*Incoming: Should match device number (1-9).



Device #	Record Data	Data Source	Data Device	Data Type	Incoming	Save As	Raw Capture
Device 1	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha Dt	1	Device 1	<input type="checkbox"/> RC
Device 2	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha TCP	2	Device 2	<input type="checkbox"/> RC
Device 3	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha Dt	3	Device 3	<input type="checkbox"/> RC
Device 4	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha Dt	4	Device 4	<input type="checkbox"/> RC
Device 5	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha Dt	5	Device 5	<input type="checkbox"/> RC
Device 6	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha Dt	6	Device 6	<input type="checkbox"/> RC
Device 7	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha Dt	7	Device 7	<input type="checkbox"/> RC
Device 8	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha Dt	8	Device 8	<input type="checkbox"/> RC
Device 9	<input checked="" type="checkbox"/> Rec	TCP/IP	Data Transport 1	Aloha Dt	9	Device 9	<input type="checkbox"/> RC
Device 10	<input type="checkbox"/> Rec	None	None	None	10	Device 10	<input type="checkbox"/> RC
Device 11	<input type="checkbox"/> Rec	None	None	None	11	Device 11	<input type="checkbox"/> RC
Device 12	<input type="checkbox"/> Rec	None	None	None	12	Device 12	<input type="checkbox"/> RC

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8. Go to “Data Transport Settings 1-12” → Set data transport 1 to port 5001 (which has to match the TCP simulator).

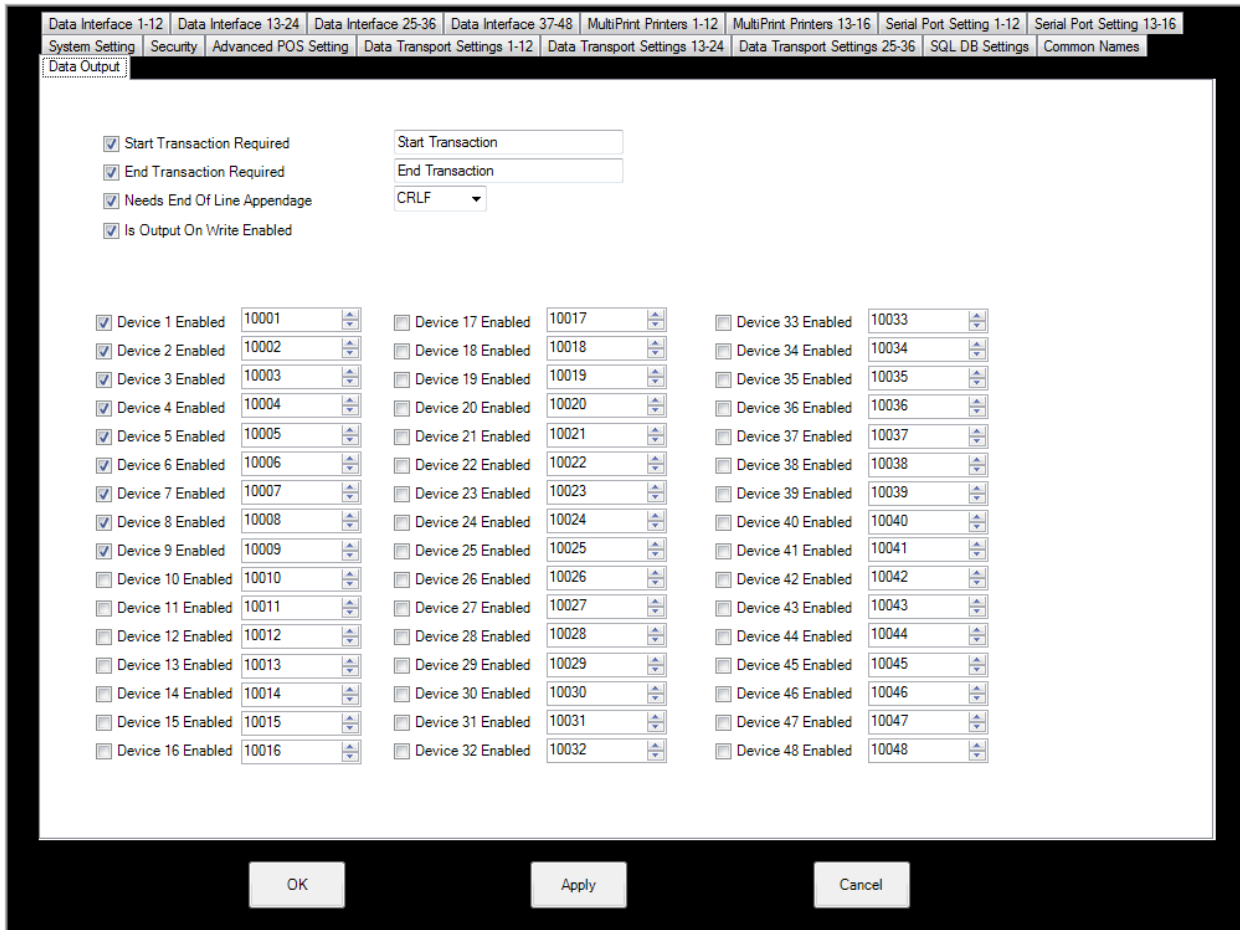
The screenshot displays the "Data Transport Settings 1-12" configuration window. The window title is "Data Output" and it contains a tabbed interface with the following tabs: "Data Interface 1-12", "Data Interface 13-24", "Data Interface 25-36", "Data Interface 37-48", "MultiPrint Printers 1-12", "MultiPrint Printers 13-16", "Serial Port Setting 1-12", "Serial Port Setting 13-16", "System Setting", "Security", "Advanced POS Setting", "Data Transport Settings 1-12", "Data Transport Settings 13-24", "Data Transport Settings 25-36", "SQL DB Settings", and "Common Names". The "Data Transport Settings 1-12" tab is active, showing 12 data transport settings arranged in two columns. Each setting includes fields for IP, Port #, Protocol, Reconnect, Heartbeat, Listen, and Path. Data Transport 1 is highlighted, showing IP 127.0.0.1, Port # 5001, and Protocol TCP. The other settings are similar, with ports ranging from 5002 to 4887. The window has OK, Apply, and Cancel buttons at the bottom.

Data Transport	IP	Port #	Protocol	Reconnect	Heartbeat	Listen	Path
Data Transport 1	127.0.0.1	5001	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 2	127.0.0.1	5002	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 3	127.0.0.1	5003	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 4	127.0.0.1	5004	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 5	127.0.0.1	5005	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 6	127.0.0.1	5006	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 7	127.0.0.1	5007	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 8	127.0.0.1	5008	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 9	127.0.0.1	5009	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 10	127.0.0.1	4887	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 11	127.0.0.1	4887	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	
Data Transport 12	127.0.0.1	4887	TCP	<input type="checkbox"/>	<input type="checkbox"/>	Listen	

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9. Go to “Data Output” → Enable Device 1 and set its port to 10001 (this will feed 'register 1' data to NUUO)

Note: If you wanted enable multiple devices, you would enable these devices and set their ports to match the port number of POS in NUUO software.

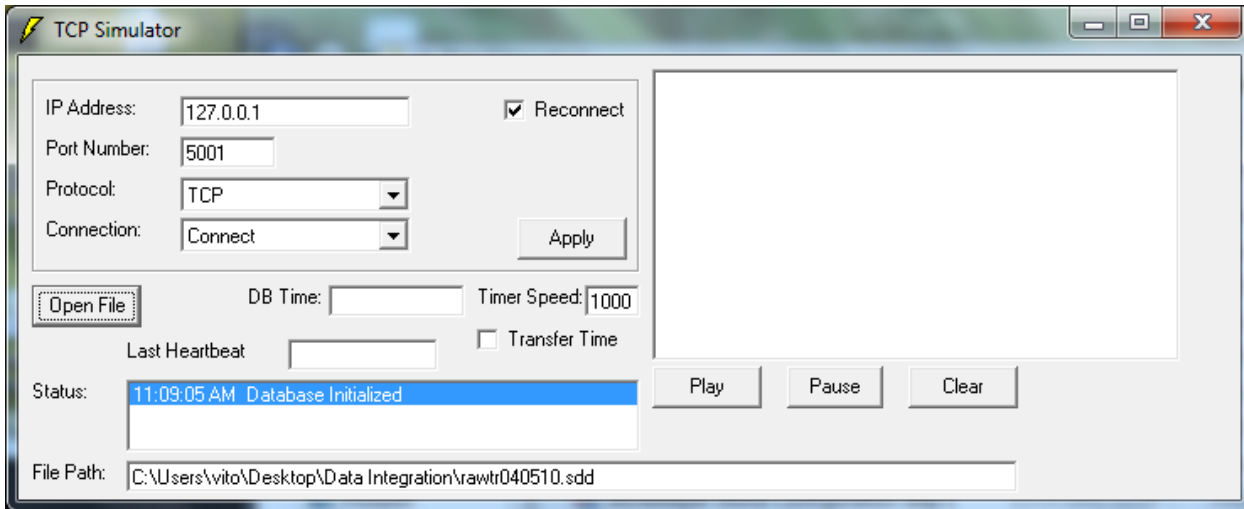


10. Open POS Simulator (.sdd file)

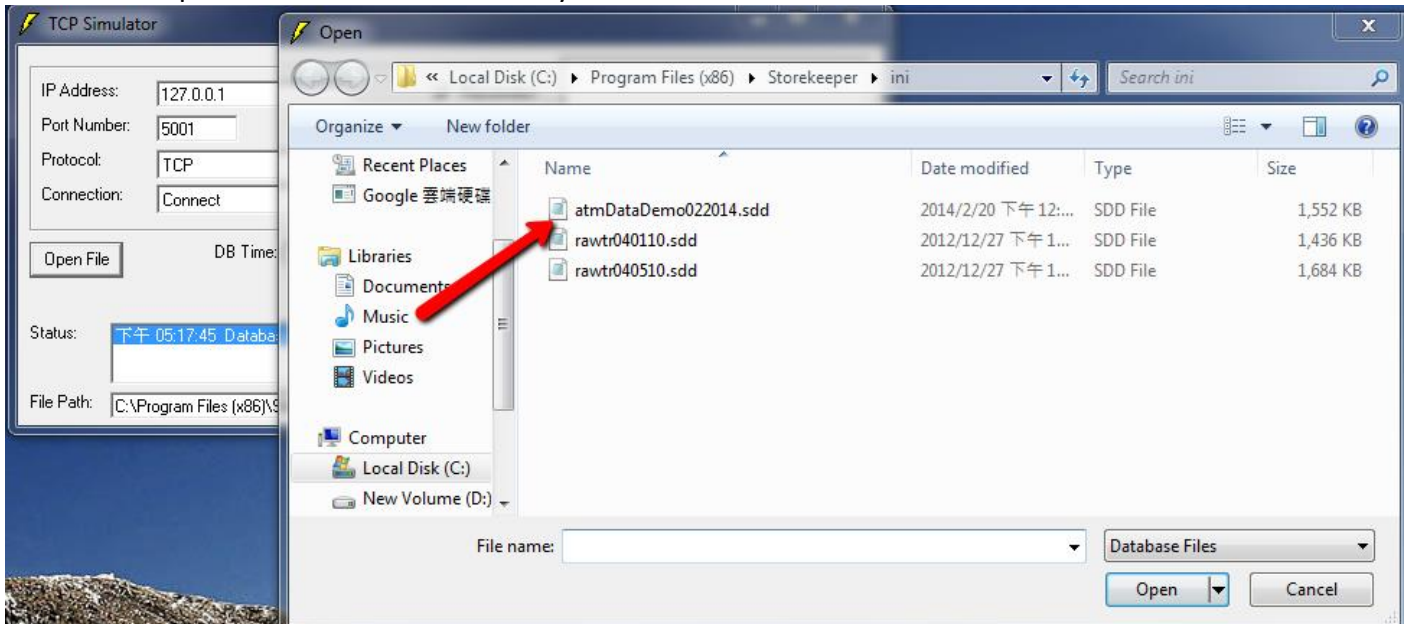
名稱	修改日期	類型	大小
TCP Sim Error.log	2014/3/10 上午 1...	文字文件	1 KB
Config.ini	2014/3/7 下午 04...	組態設定	1 KB
atmDataDemo022014.sdd	2014/2/20 下午 1...	SDD 檔案	1,552 KB
positouch_demo_data.mdb	2013/6/8 上午 11...	MDB 檔案	7,276 KB
TCP Simulator.exe	2013/6/7 下午 02...	應用程式	76 KB
Storekeeper Aloha Configuration Step 2.png	2012/12/27 下午 ...	PNG 影像	32 KB
Storekeeper Aloha Configuration Step 1.png	2012/12/27 下午 ...	PNG 影像	41 KB
rawtr040110.sdd	2012/12/27 下午 ...	SDD 檔案	1,436 KB
rawtr040510.sdd	2012/12/27 下午 ...	SDD 檔案	1,684 KB
GC_POS1.ini	2012/12/27 下午 ...	組態設定	1 KB
Transearch_Data_Output.ini	2012/9/27 下午 0...	組態設定	1 KB
positouch demo data.sdd	2010/7/8 下午 02...	SDD 檔案	8,836 KB

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11. Start "TCP Simulator .exe"

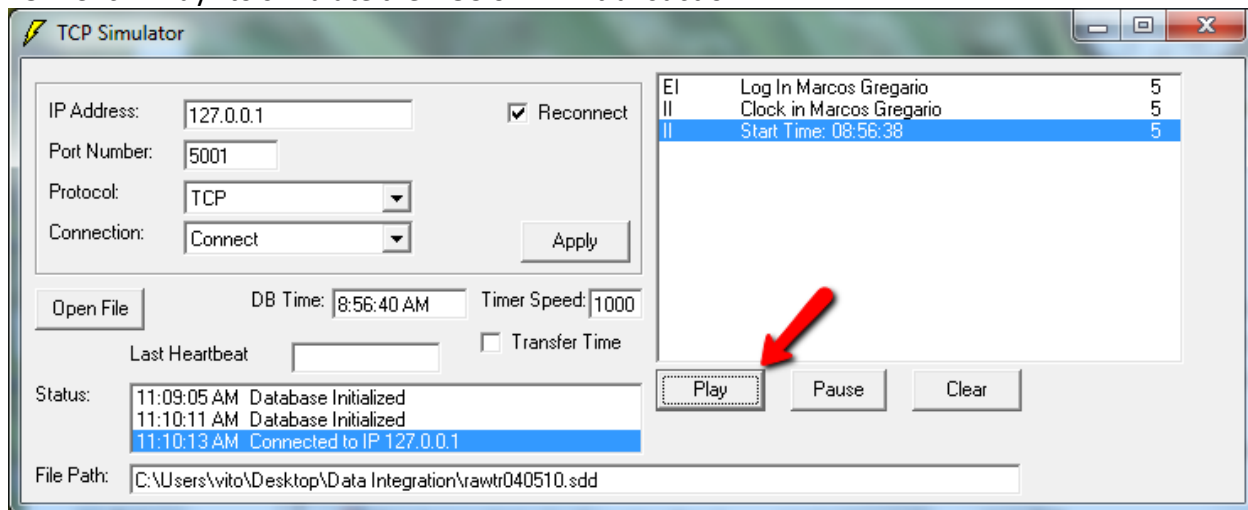


12. Click "Open File" and then choose any sdd file of the POS or ATM data.



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13. Click "Play" to simulate the POS or ATM transaction.



14. Check if Retail Gateway software receive data from POS simulator

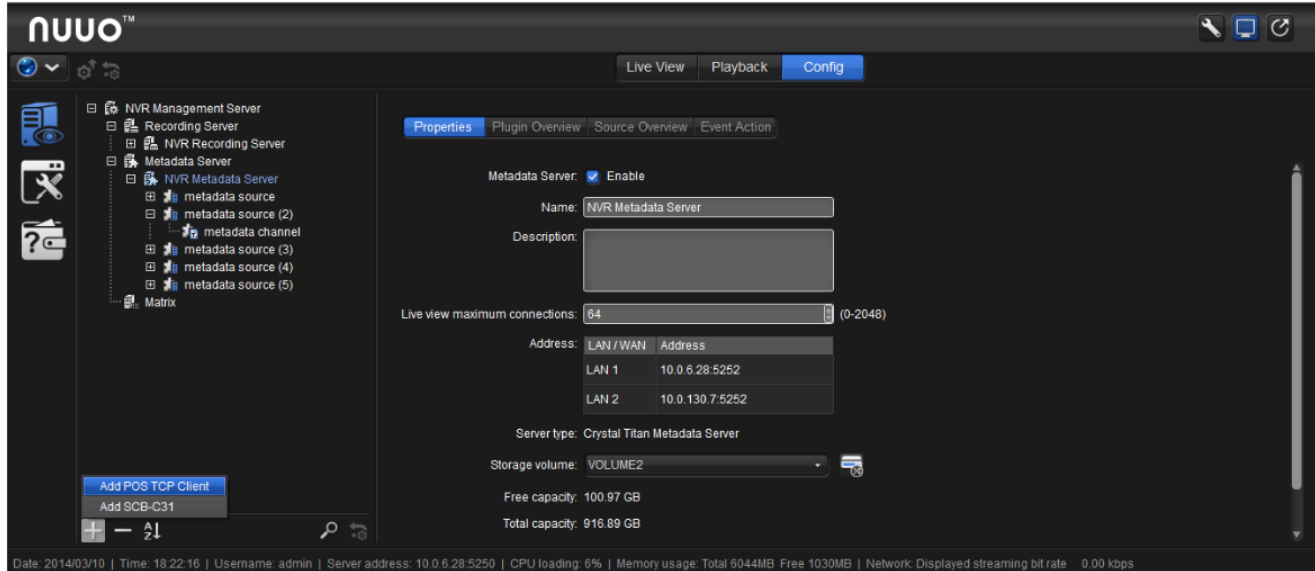
Note: In Retail Gateway software, go to "Communications", you will see the communications at the devices you configured.



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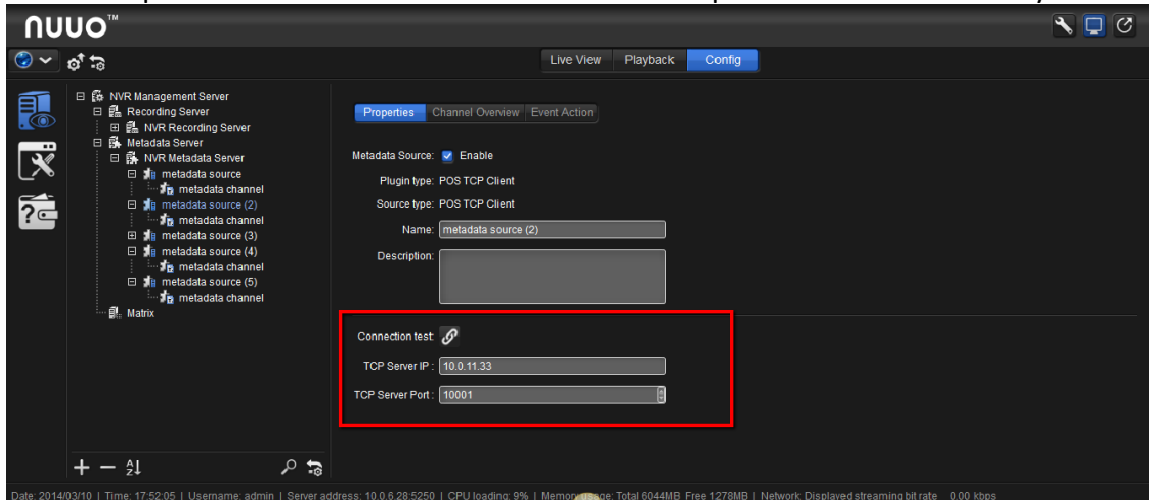
Chapter II. Configure NUUO system – Crystal Titan

1. Start NUUO Crystal Titan
2. Go to “Config” → “Metadata Server” → “Add POS TCP Client” as metadata source



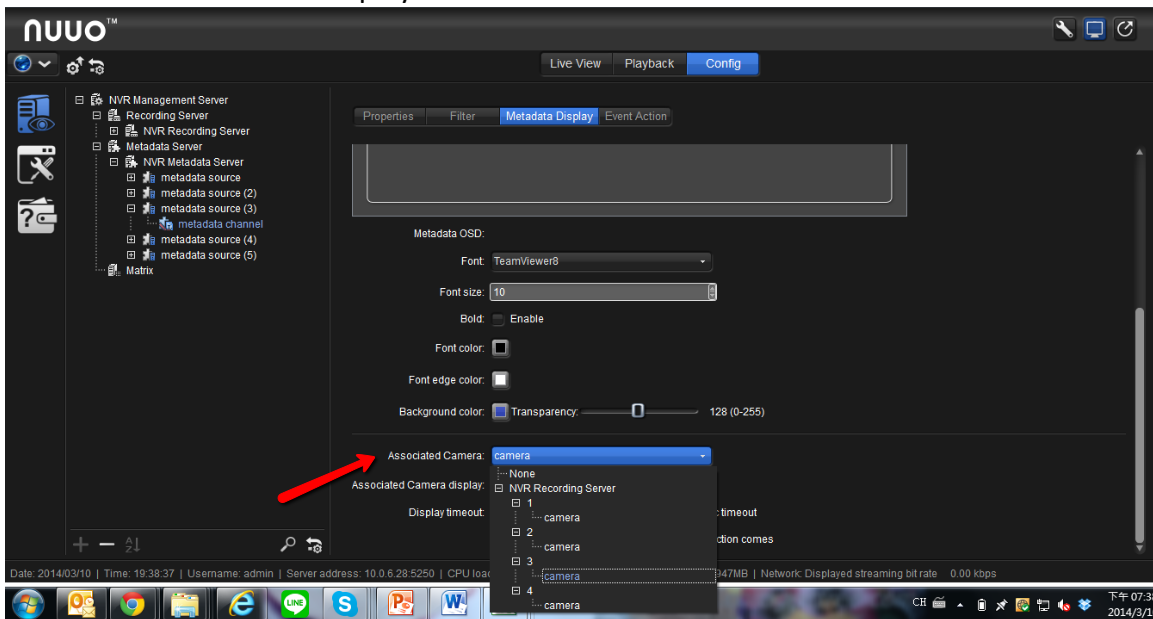
3. Go to “metadata source” you created → “Properties” → Insert Retail Gateway Server IP and port and test connection

Note: The port number would be the same as data output at this Retail Gateway software

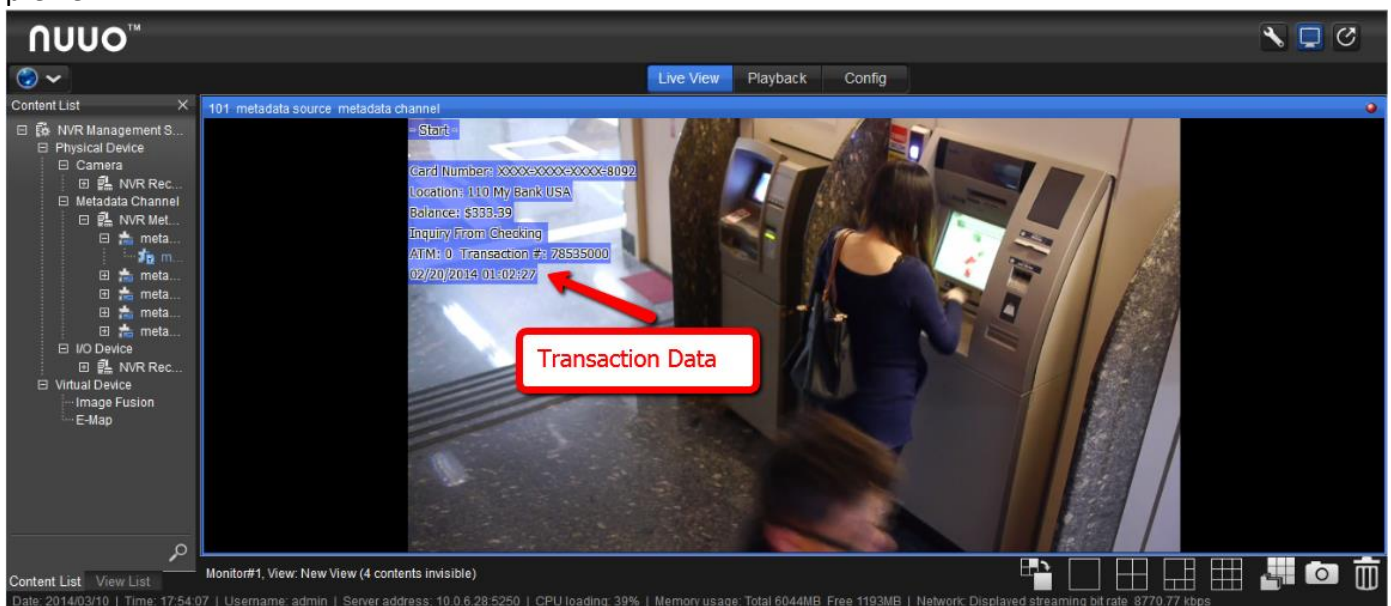


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4. Select “Metadata channel” → “Metadata Display” → Select “Associated Camera” → Enable Associated camera display



5. In NUUO Crystal Titan, you will see the transaction data overlay on the live video. You can record the data with video, configure alarms with transaction data and search metadata in playback with video preview.



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The screenshot shows the NUUO Event List interface. The search type is set to 'Metadata search'. The search criteria include 'Match whole word', 'Match case', and 'Advance setting'. The keyword 'balance' is entered in the search field. A table of search results is displayed below the search criteria. A red box labeled 'Transaction search' points to the search criteria section. A red box labeled 'Video Preview' points to a video player window showing a person at an ATM. The video player displays transaction details: Total: \$ 62.5, ATM: 0, Transaction #: 78262000, 02/20/2014 12:53:37. The video is paused at 2014/03/10 18:16:28.

Time	Server	Source	Channel	Transaction
2014/03/10 18:17:42...	NVR Metadata ...	metadata source	metadata cha...	- Start
2014/03/10 18:17:38...	NVR Metadata ...	metadata sour...	metadata cha...	- Start
2014/03/10 18:17:32...	NVR Metadata ...	metadata source	metadata cha...	- Start
2014/03/10 18:17:28...	NVR Metadata ...	metadata sour...	metadata cha...	- Start
2014/03/10 18:17:22...	NVR Metadata ...	metadata source	metadata cha...	- Start
2014/03/10 18:17:18.69	NVR Metadata ...	metadata sour...	metadata cha...	- Start
2014/03/10 18:16:53...	NVR Metadata ...	metadata source	metadata cha...	- Start
2014/03/10 18:16:48...	NVR Metadata ...	metadata sour...	metadata cha...	- Start
2014/03/10 18:16:43.62	NVR Metadata ...	metadata source	metadata cha...	- Start
2014/03/10 18:16:38...	NVR Metadata ...	metadata sour...	metadata cha...	- Start

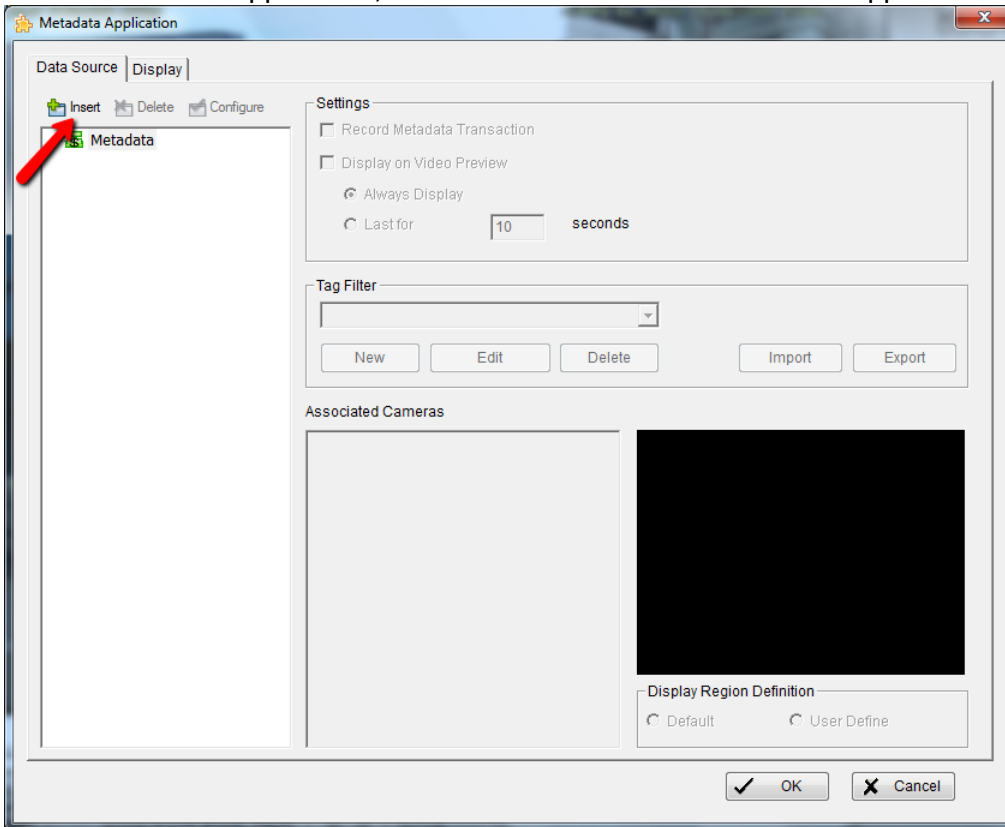
Chapter III. Configure NUUO system - Mainconsole

1. Start NUUO Mainconsole
2. Go to "Config" and then "Metadata Application".

The screenshot shows the NUUO Mainconsole interface. The left side displays a video feed from 'CAM6 1 1920x1080 31fps'. The right side shows a menu with the following items: Setting, License Manager, Save/Load Configuration, Video Analytics, Metadata Application (highlighted), Metadata Search, Log Viewer, Backup, Network Service, Help, and About Main Console... A red box highlights the 'Metadata Application' menu item. A red arrow points to the 'Metadata Application' menu item. The bottom of the interface shows a toolbar with icons for home, play, list, warning, and a red box around a magnifying glass icon.

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3. In Metadata Application, Click “Insert” to add one metadata application.



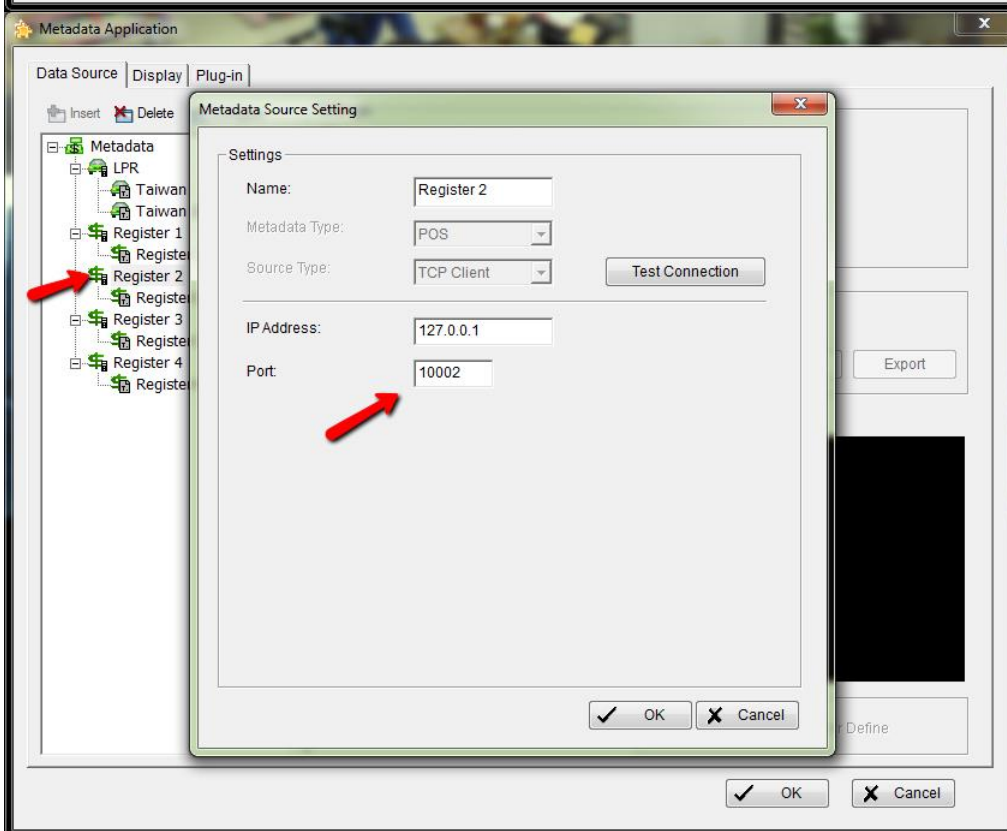
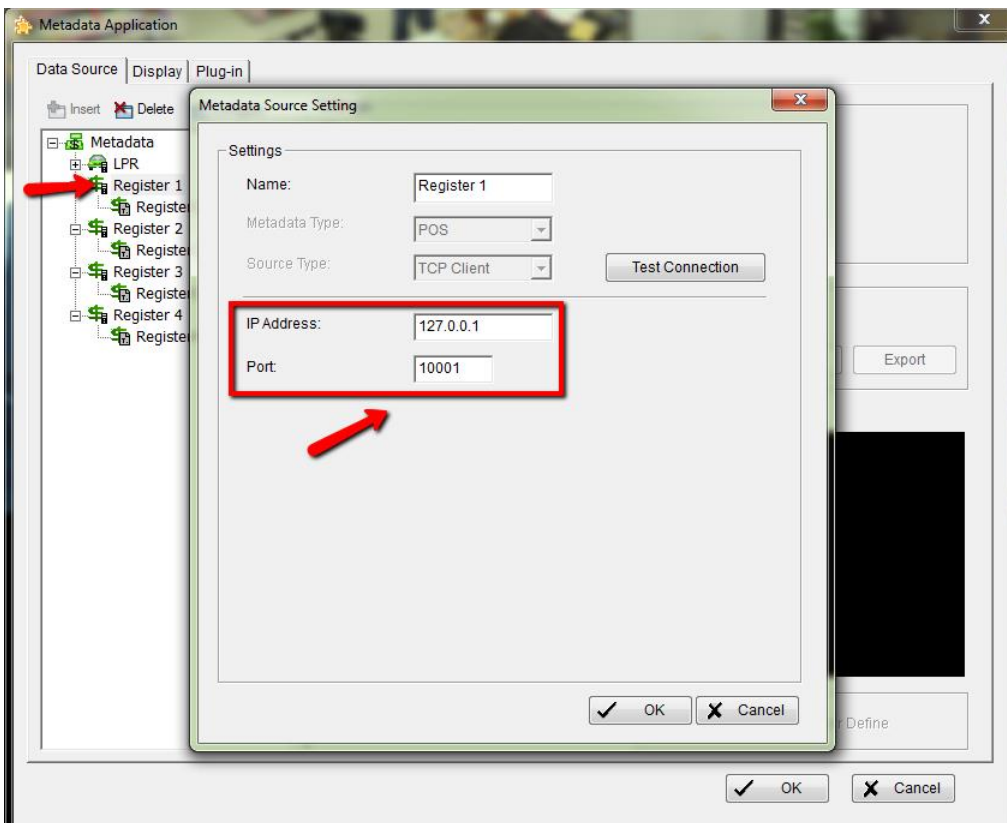
4. Choose “POS” and “TCP Client” → Insert Retail Gateway Server IP address and port

Note: IP address would be the same as the IP address of the PC which you run this Retail Gateway software.

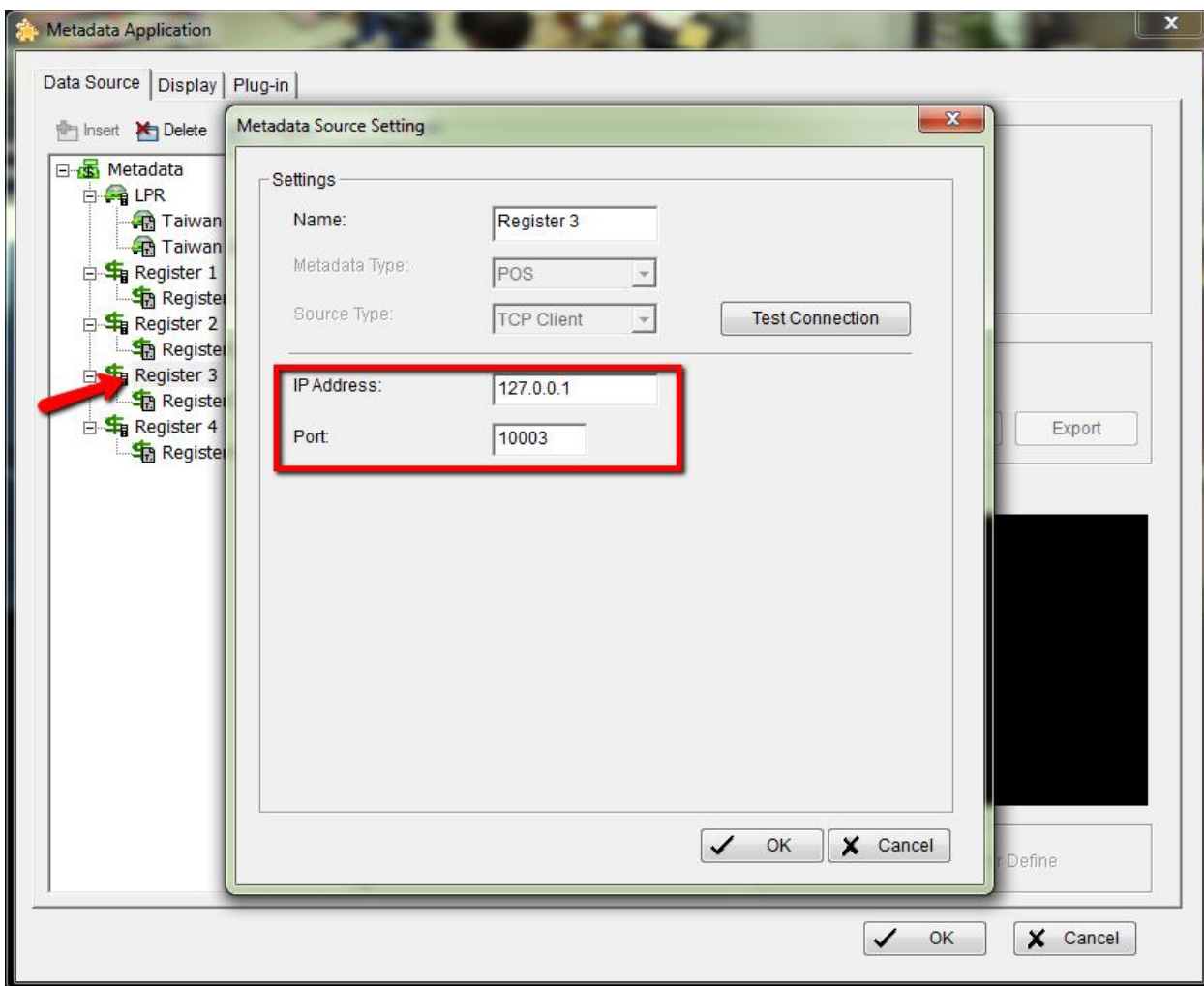
If you run this software at the same PC with NUUO Mainconsole, you can key in 127.0.0.1.

The port number would be the same as data output at this Retail Gateway software.

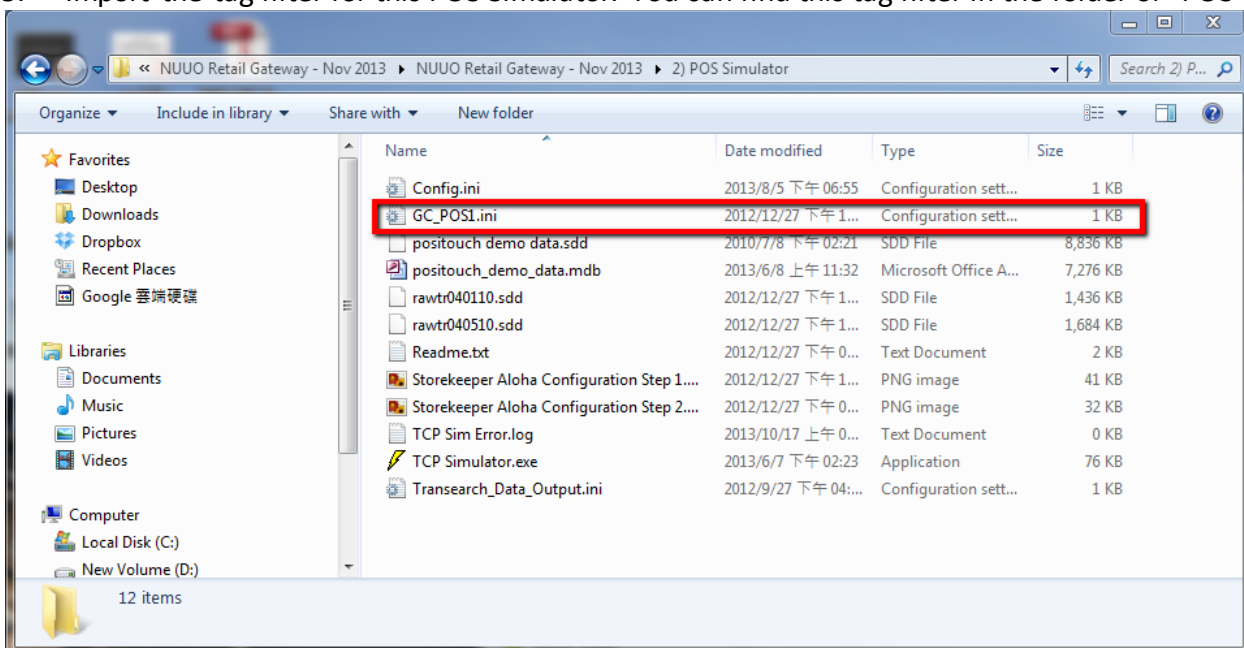
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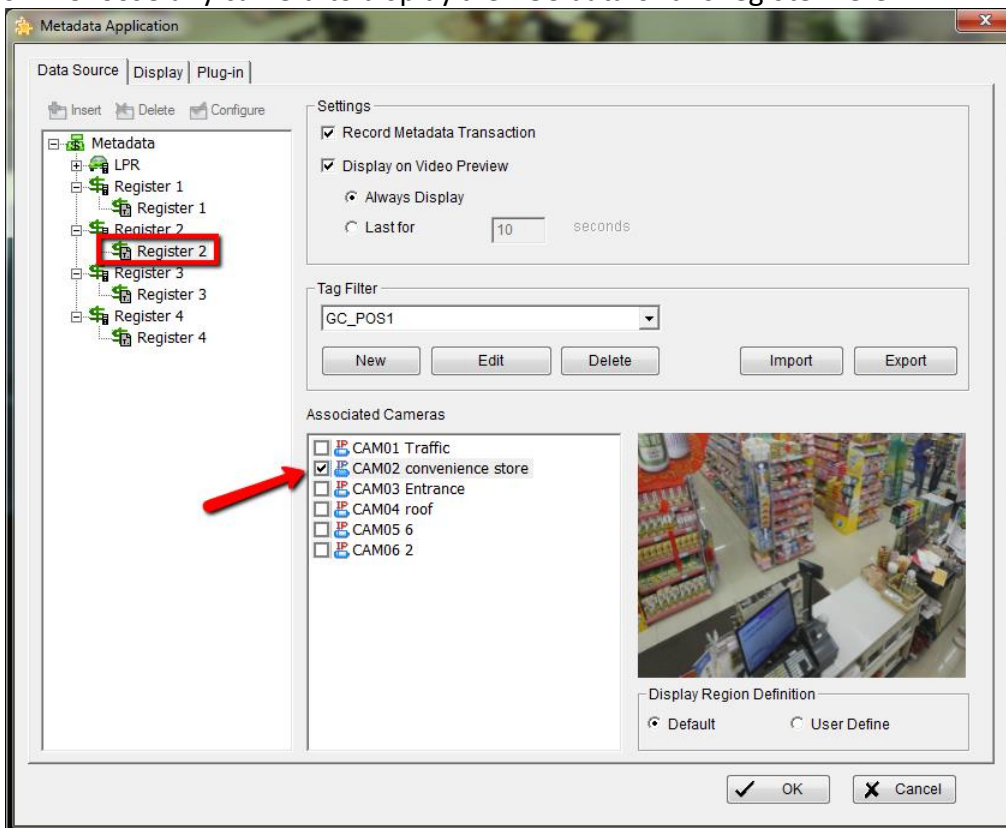


5. Import the tag filter for this POS Simulator. You can find this tag filter in the folder of "POS Simulator".

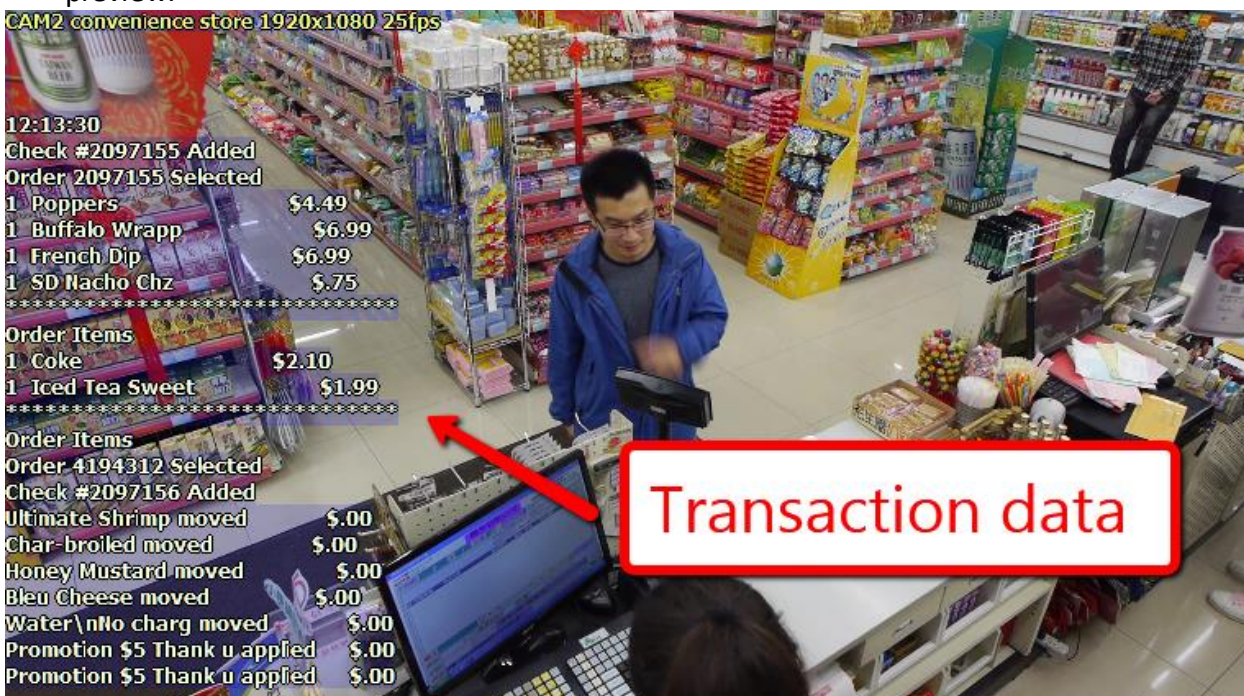


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6. Choose any camera to display the POS data of this register here.



7. In NUUO Mainconsole, you will see the transaction data overlay on the live video. You can record the data with video, configure alarms with transaction data and search metadata in playback with video preview.



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The screenshot displays the NUUO Security Central Board interface. At the top, there is a video preview window showing a convenience store interior. Below it, a 'Metadata Search Dialog' is open, featuring a list of search criteria on the left, a 'Date Time Period' section with start and end time fields, and a 'Search' section with a keyword field containing 'Oolong'. A red box labeled 'Transaction Data' points to the search results table below. To the right of the search dialog, another red box labeled 'Video Preview' points to the video window. The search results table has columns for Date Time, Metadata, and Transaction details. A detailed view of a transaction is shown on the right side of the dialog.

Date Time	Metad...	Transaction
2012/07/20 11:43:22	NUUO...	DD22134592 Page:1NUUO Inc.NO...
2012/07/20 11:47:57	NUUO...	DD22134593 Page:1NUUO Inc.NO...
2012/07/20 11:51:37	NUUO...	DD22134596 Page:1NUUO Inc.NO...
2012/07/20 11:52:35	NUUO...	DD22134599 Page:1NUUO Inc.NO...
2012/07/20 12:04:18	NUUO...	DD22134604 Page:1NUUO Inc.NO...
2012/07/20 12:05:19	NUUO...	DD22134605 Page:1NUUO Inc.NO...
2012/07/20 12:17:22	NUUO...	DD22134607 Page:1NUUO Inc.NO...
2012/07/20 12:20:24	NUUO...	DD22134610 Page:1NUUO Inc.NO...
2012/07/20 13:55:15	NUUO...	DD22134611 Page:1NUUO Inc.NO...
2012/07/20 14:02:03	NUUO...	DD22134614 Page:1NUUO Inc.NO...
2012/07/20 14:14:06	NUUO...	DD22134615 Page:1NUUO Inc.NO...
2012/07/20 14:14:24	NUUO...	DD22134616 Page:1NUUO Inc.NO...
2012/07/23 10:19:25	NUUO...	DD22134618 Page:1NUUO Inc.NO...
2012/07/24 09:54:05	NUUO...	DD22134627 Page:1NUUO Inc.NO...

Transaction Details (DD22134614 Page:1):
 NUUO Inc.
 NO. TEL:23822260
 OperatorUser001
 P012012072000024
 2012/7/20 下午 02:02:55
 Oolong T(M) 9 45
 Sub 9 45
 Total 45
 Cash: 45
 VIP: 0