

Merit LILIN Application Note for POS & Barcode Scanner Applications

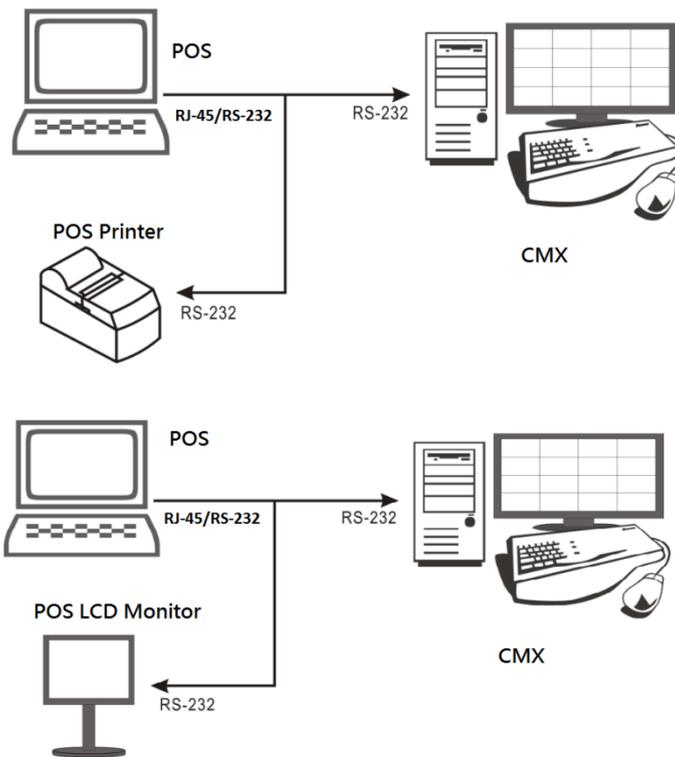
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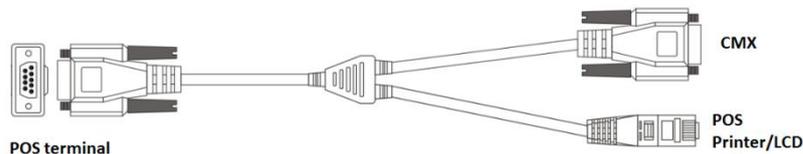
Dept: Technical Support, Taipei

Subject: POS and Barcode Scanner Connection Basis for Retail and Transportation Business of CMX Software HD 3.6.

Description: CMX Software HD 3.6 basically listens to the ASCII/COM output of a POS system via RS-232. Please check POS's display output or printer output for ASCII data of your POS system. Consult your POS provider for more detail.



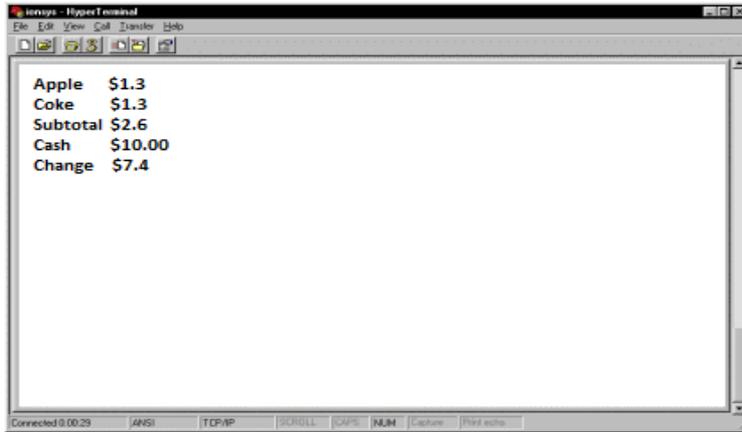
Connect RX/TX of the RS-232 of a POS register/terminal to CMX PC. Refer to wiring diagram below:



To connect more than one POS terminals, add more RS-232/COM port into the CMX PC.

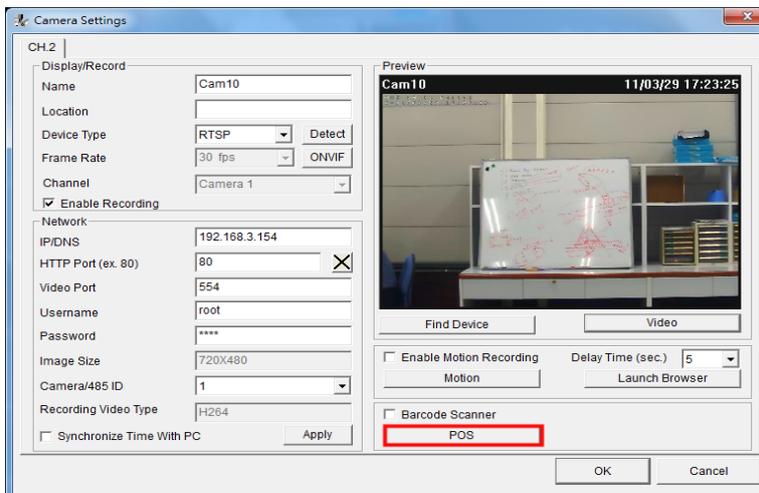
Step 1. Test POS Communication with a PC

After the POS connects to the CMX PC, please use Hyper Terminal of Windows or other RS-232 capturing application to test and to verify POS data that it can be captured by the CMX PC.



Step 2. Link POS with a Channel

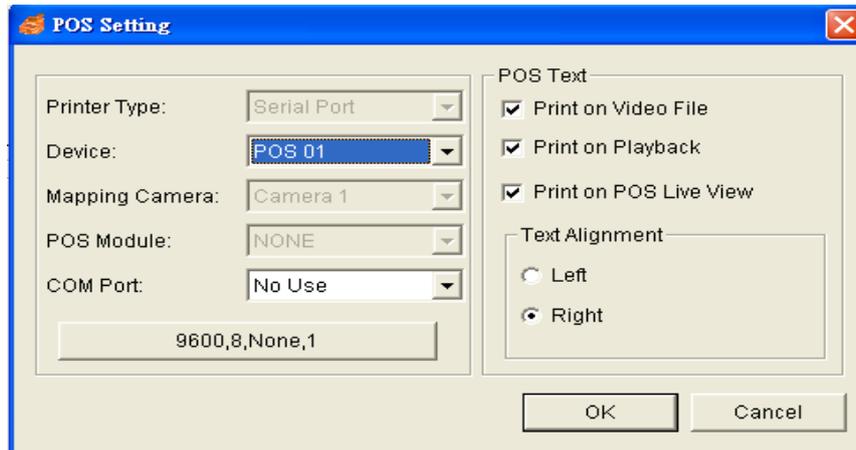
To link a POS to a camera, please click on **“Property”** button of each channel and then click on **“POS”** button. The POS Setting dialog box shows up.



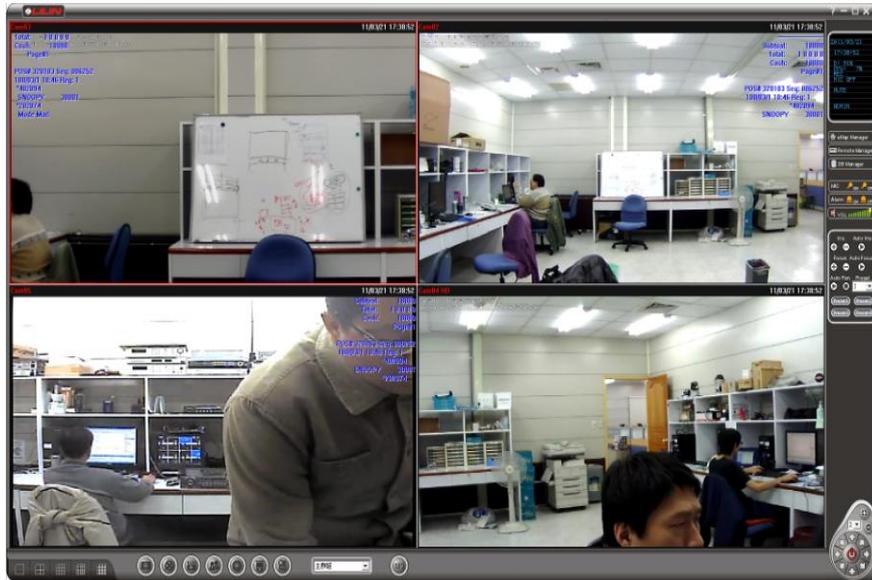


In POS Setting dialog box, please specify the following information for capturing POS transactions.

- (1) **Device:** POS register number.
- (2) **COM Port:** The mapped COM port number for the POS terminal.
- (3) **Print on Video File:** Record POS transaction into video file.
- (4) **Print on Playback:** Display POS transaction during playback.
- (5) **Print on POS Live:** Display POS transaction at live video.
- (6) **Text Alignment:** Alignment of POS transaction.



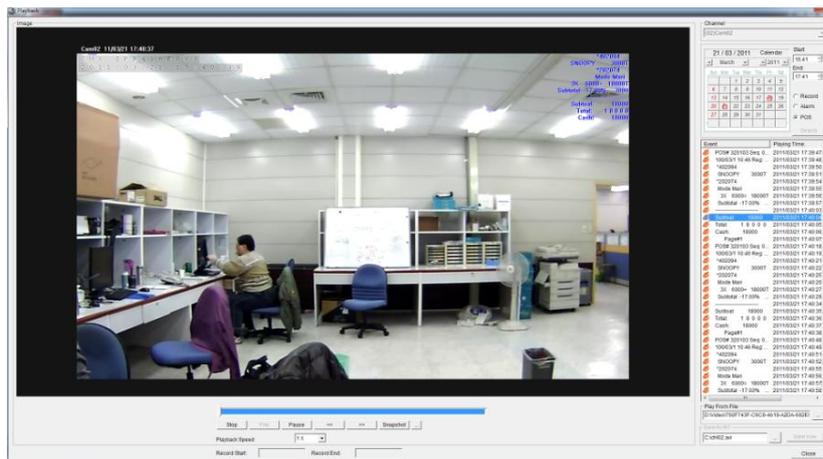
Once above information is setup correctly, CMX Software HD 3.6 starts to capture and to display POS transactions on live video.



Note: For demo purpose, please press F3 to show simulated POS transitions.

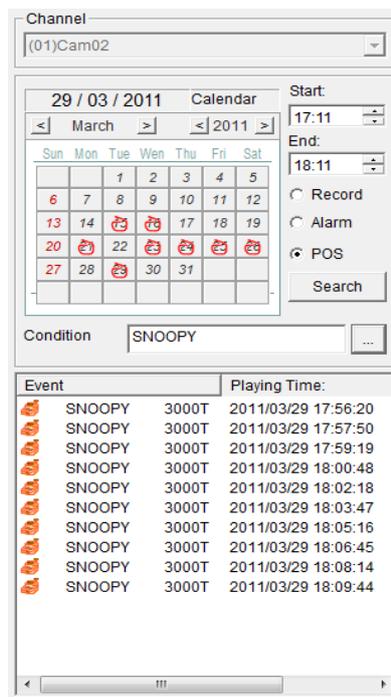
Step 3. Playback with POS Transactions

During playback, the recorded POS transactions get shown on the video and displayed on the list box. Click on a POS transaction. The video clip is played associated with the time of the POS transaction.



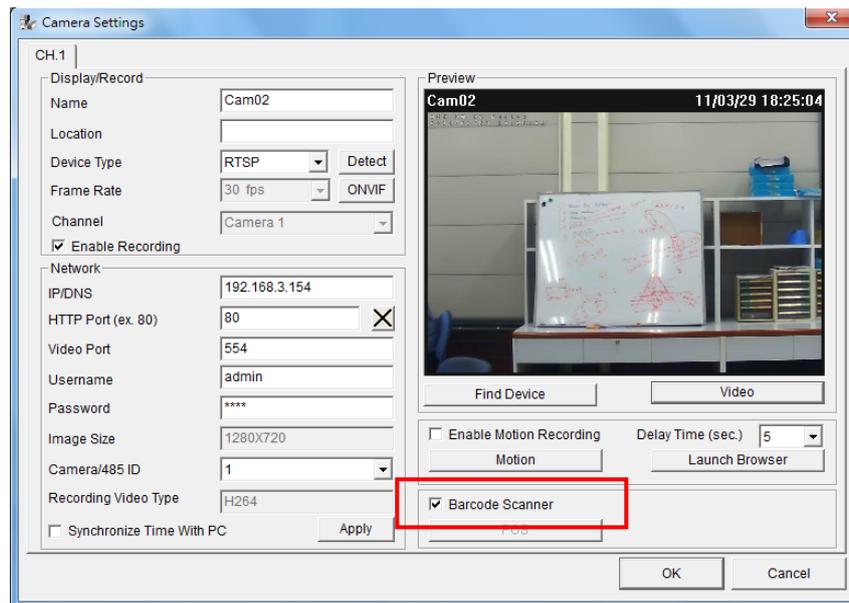
Chapter 4. Search POS Transactions

To search a particular search conditions such as an amount, a product item, subtotal, and total, a user can set the search condition for associated time stamp. Click on the item in the listbox. It can play the video of the transaction.



Step 5. Scanner Connection Basis for Transportation Business

For transportation business, a barcode scanner and a keyboard are widely used. The barcode scanner for scanning barcode on a good during transportation is connected to a PC via PS/2 connector. The barcode scanner acts as a keyboard. In CMX Software HD 3.6, the scanner connection only traps 0 to 9 for keyboard scanner or the barcode scanner.



To use barcode scanner as transactional device, connect barcode scanner into PS/2 connector. In “Camera Settings” dialog box, enable “barcode scanner” option. For one PC, there is only one video channel that can be set for the barcode scanner.

For search barcode transactions and playback on the barcode transaction, please see “Playback with POS Transactions” and “Search POS Transactions” for detail.