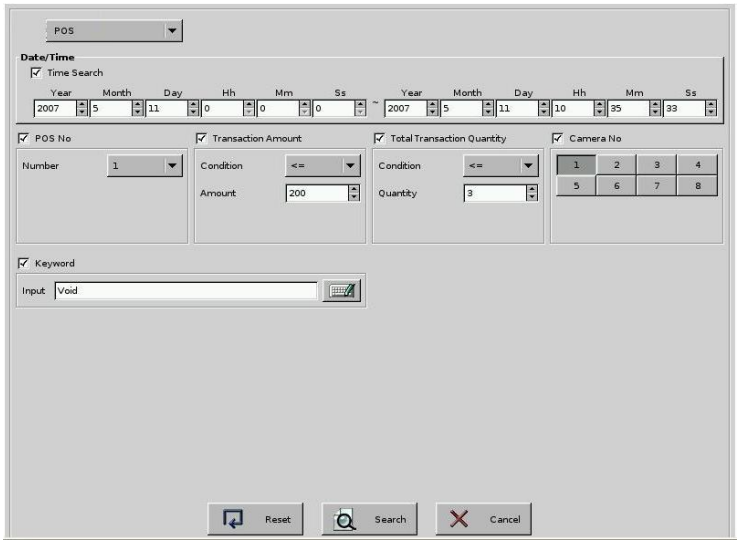
- **POS Event Search:**

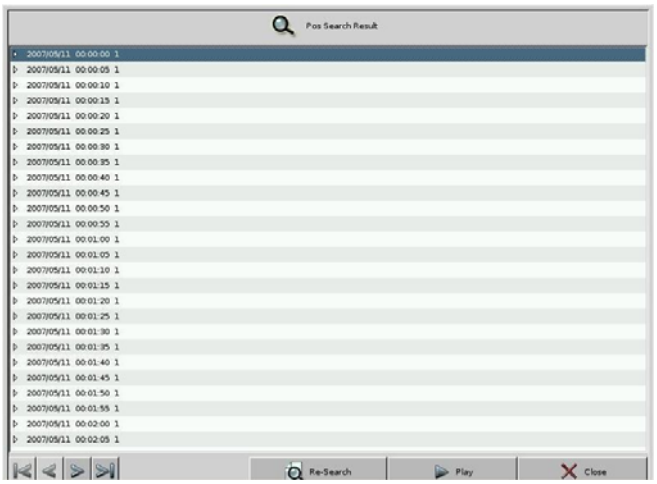
You can search the event by "**POS"** and you can also add the "**Time Search**" condition to narrow the search range. By marking the various **POS conditions,** you can decide the search range.

DVR provides the following search conditions

- ☐ POS No: Search the video by POS No
- ☐ Transaction Amount: Search the video by setting the transaction amount.
- ☐ Total Transactions Quantity: Search the video by setting the transaction quantity.
- ☐ Camera No: Search the video by the camera no.
- ☐ Keyword: Search the video with the keyword in POS transaction content.

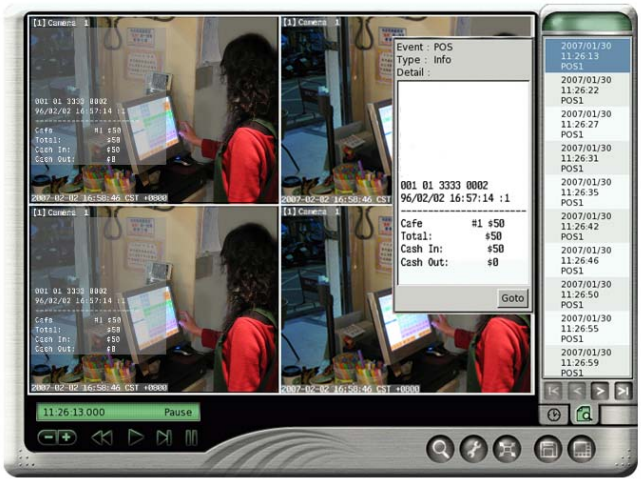


Click "**Search**" to list all of the event logs



Refer to the **Step 4 to Step 6 of Time Mode Search** to play the event video.

There are two ways to see the POS transaction content. One is click the any POS event log in the search result window and the window of POS transaction content will pop up.



The other one is POS transaction content is directly overlaid on the channel. To enable this function, please refer "**4-3 Playback Configuration**".

From DVR V5.0 version, it successfully integrating with POS system can allow the recording of all transactions for later review for such thefts as sweethearting, substitute scanning, no rings, short changing, short rings, and pilfering. It can largely be applied to convenience store, grocery, gas station and etc.

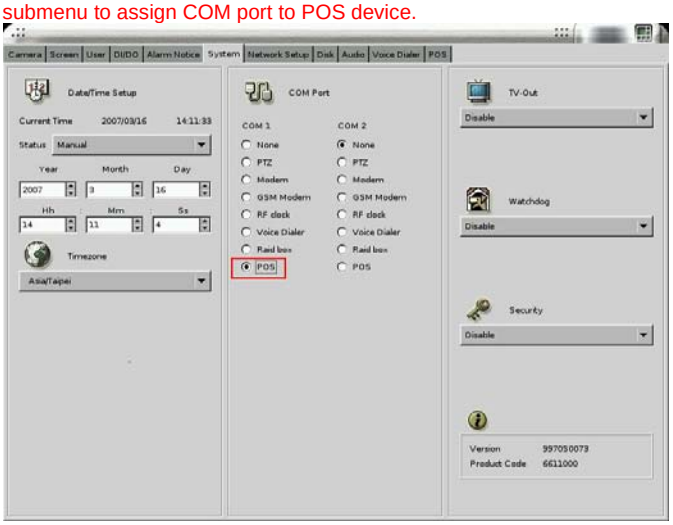
V5.0 for POS application integrates with EPSON printer protocol and 3688 printer protocol in it. Generally, if your POS system supports EPSON printer or 3688 printer protocol, DVR V5.0 can work with it.

Through RS232/RS485 and Ethernet connection interface, DVR can receive the transaction data from POS. You need the extra connection accessories according to your connection interface and POS connection quantity and distance.

POS Setting

Step 1 Assign COM Port to POS Device

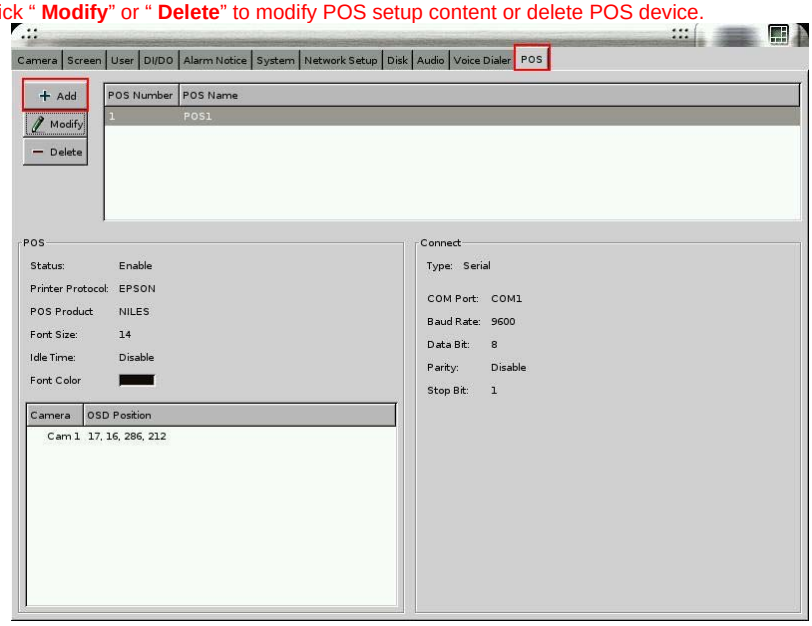
Please go to the system submenu to assign COM port to POS device.



Step 2 Add/Modify POS device

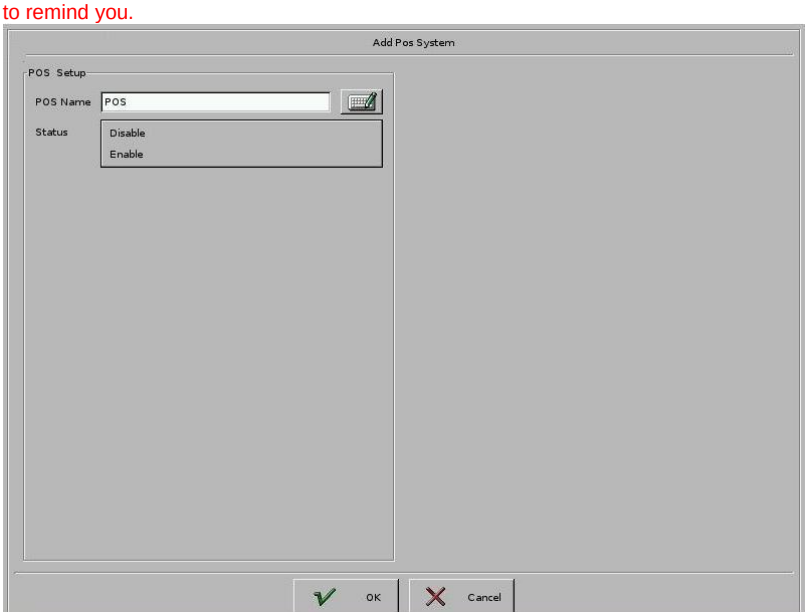
- Click " **Add**" to start to add POS device.

If you finish POS device setup, it will list in the right window and the detail POS setup content will be described in below column. You can click " **Modify**" or " **Delete**" to modify POS setup content or delete POS device.

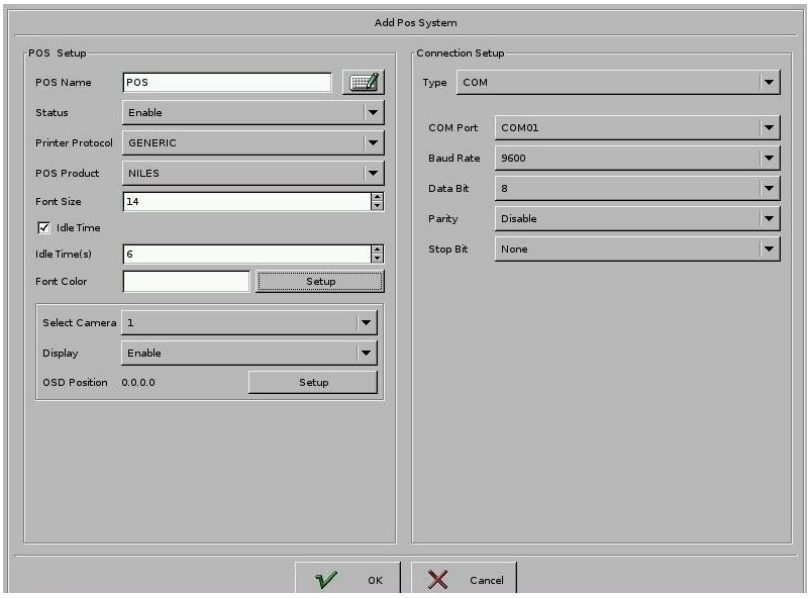


- Enter the POS Name and “ **Enable**” the POS device.

Currently, DVR just supports English POS name. If you don’t enter any character or enter repeated POS name, DVR will pop up message to remind you.

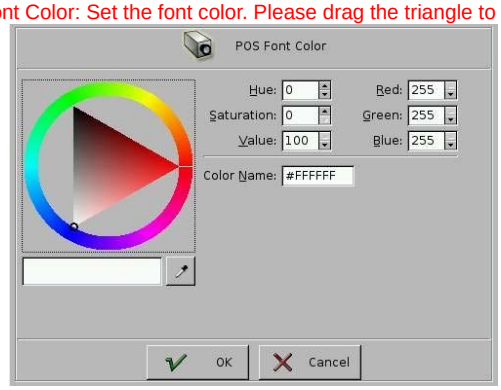


- Set up POS configuration

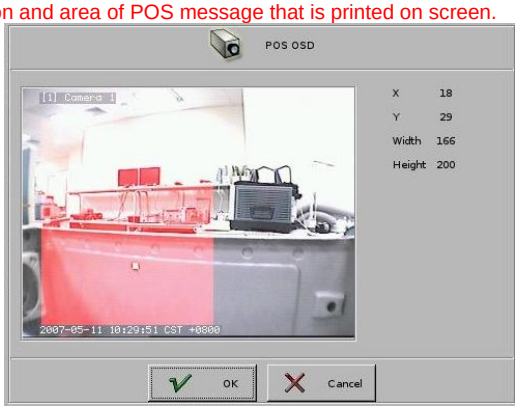


- Status: “ Enable” or “ Disable” POS device.
- Printer Protocol:In V5.0 version, DVR supports EPSON and Generic(3688) printer protocol. Please select the correct printer protocol your POS system supports.
- POS Product: In V5.0 version, DVR has integrated with NILES, EMIS and KANGS POS system. Please select the correct POS system. If your POS system is not in the list, please contact your supplier to ask the technical help.
- Font Size: Please select the font size of POS message you want to display in camera channel. The range of font size is from 12 to 20.
- Idles Time: The time at which POS message will stay in the channel if no further POS message is input.

Font Color: Set the font color. Please drag the triangle to the color you want.

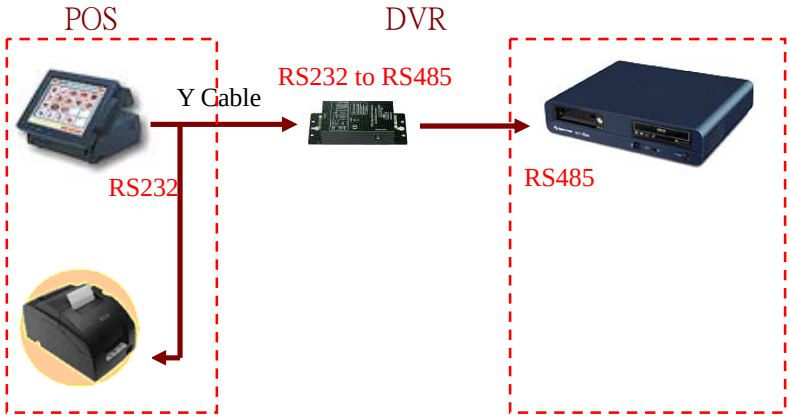
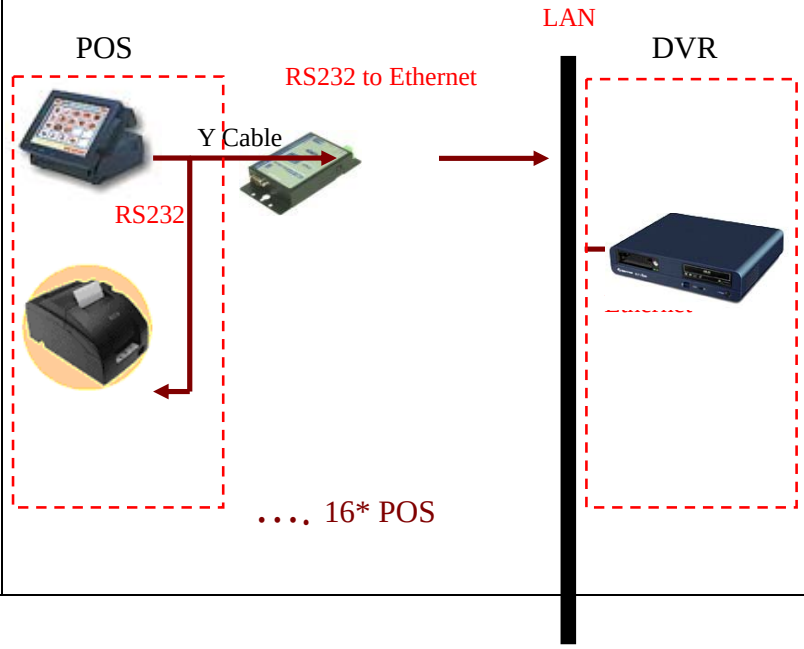


- Select Camera: Select the cameras POS message will show on.
- Display: Enable the POS message showing on the camera.
- OSD Position: Click “ **Setup**” to open OSD setup menu as below picture. You can drag mouse to define location and area of POS message that is printed on screen.



- Connection Type:

*__Type:__ There are two options to connect POS to DVR. One is directly through RS232 serial (COM) port. The other one is from RS232 serial (COM) port and then convert to Ethernet interface to DVR. You can ask your supplier to provide these accessories for the connection. Please see the below connection illustration.

Connection Type	Illustration	Remarks
RS232 COM Port		*One POS connection *The distance between POS and DVR is within 1.8m
RS232 to RS485 COM Port		*One POS connection *The distance between POS and DVR is over 1.8m
Ethernet		*Multiple POS connections * The distance between POS and DVR is unlimited.

DVR connection type is RS232/RS485 COM Port:

*__COM Port__: Please select the correct COM Port you already assign to POS device in " System" setup menu.

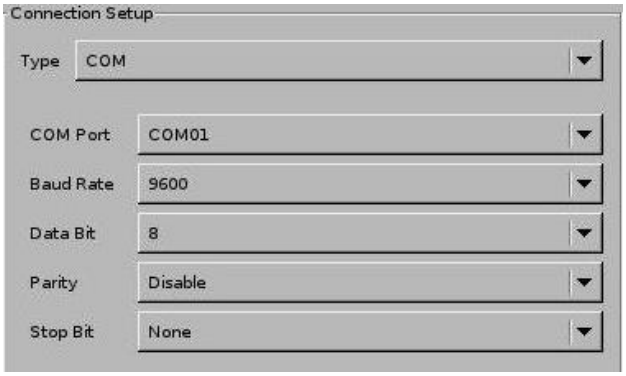
*__Baud Rate__: POS Data transmission speed through COM Port to DVR. Please set up the Baud according to your POS device.

*__Start Bit__: Please set up the Start Bit according to the COM port transmission spec of your POS device.

*__Data Bit__: Set up the data bit according to the COM port transmission spec of your POS device.

*__Parity__: Set up the Parity according to the COM port transmission spec of your POS device.

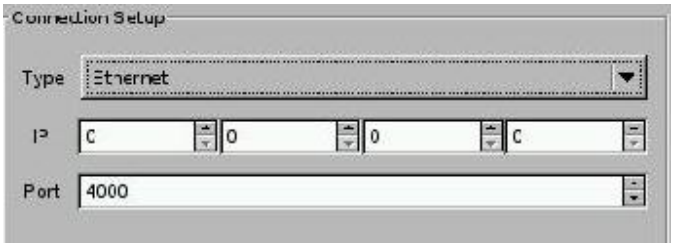
*__Stop Bit__: Set up the Stop bit according to the COM port transmission spec of your POS device.



DVR connection type is Ethernet:

*__IP:__ Enter the IP address of the RS232 to Ethernet converter.

*__Port:__ Set up the corresponding port of RS232 to Ethernet converter.



Now, POS configuration is finished and DVR can start to receive POS transaction message.