Quick guide to setting up Data Capture box to NVRlite v2 with pcAmerica POS

CONNECTION DIAGRAM

▶ **POS system**

POS System

DB9
Female / Male

RS-232

DB9 Male / Female

GeoVision GV-DATA CAPTURE V2

RJ45

GV-System

Printer

OR

DB9 Female / Male

RS-232

Printer
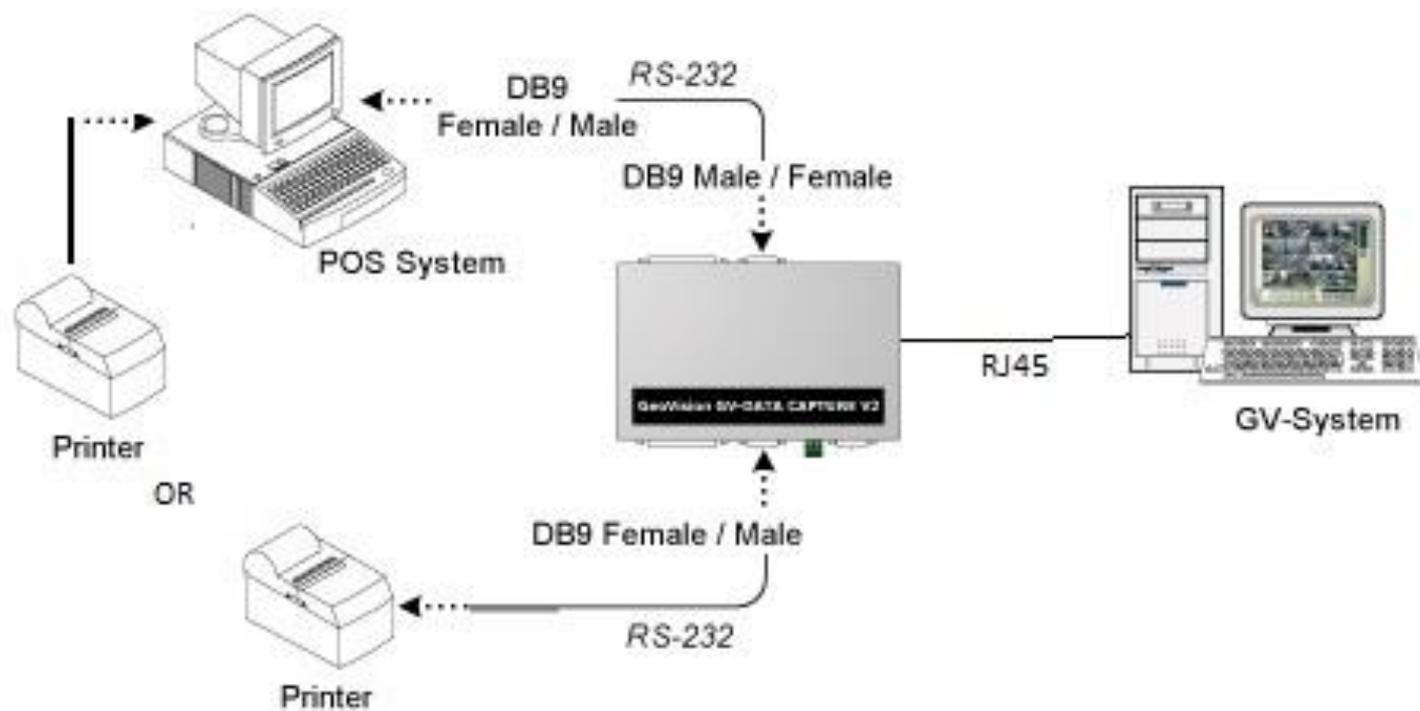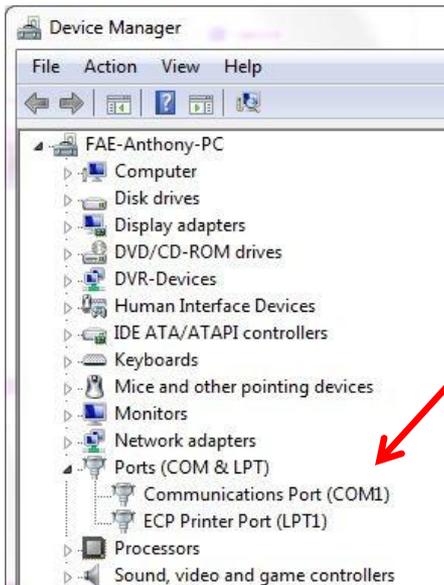
Click on Start> Search: type "Device Manager"

Device Manager:
Click > Ports (COM & LPT) & Expand
Select: Communications Port (COM#)
Right click: Communications Port (COM#) > Properties
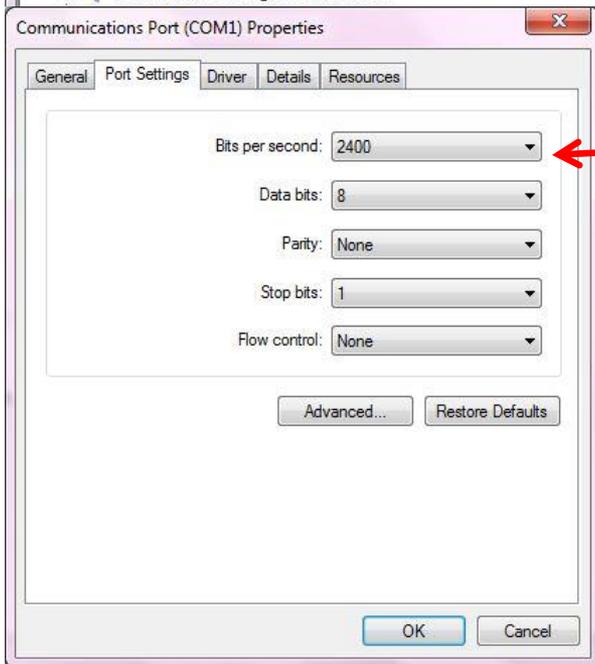
Select "Port settings" tab
Bits per second: 2400 (medium display speed)
9600 (fast display speed)

Note:
Bits per second need to match w/ Data Capture Box (SW4)
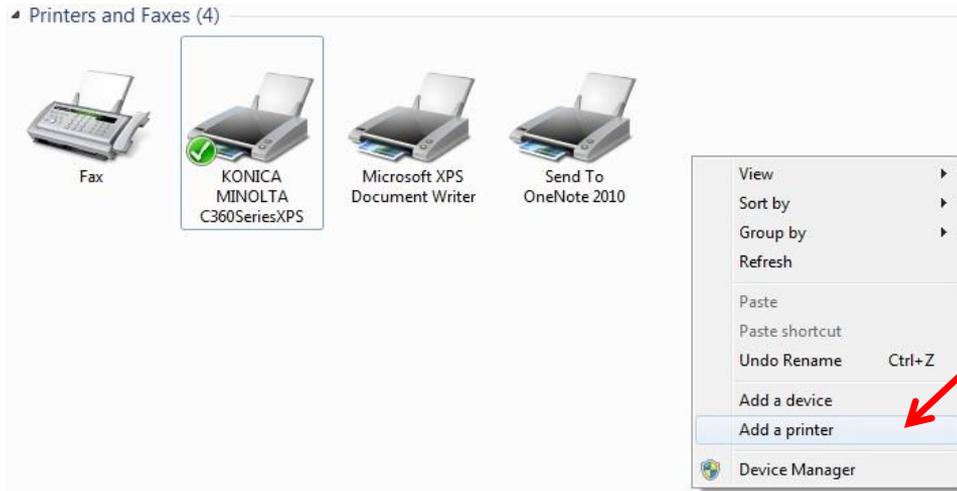
- Click Start > Devices and Printers >
  - Click or Right Click> Add a printer
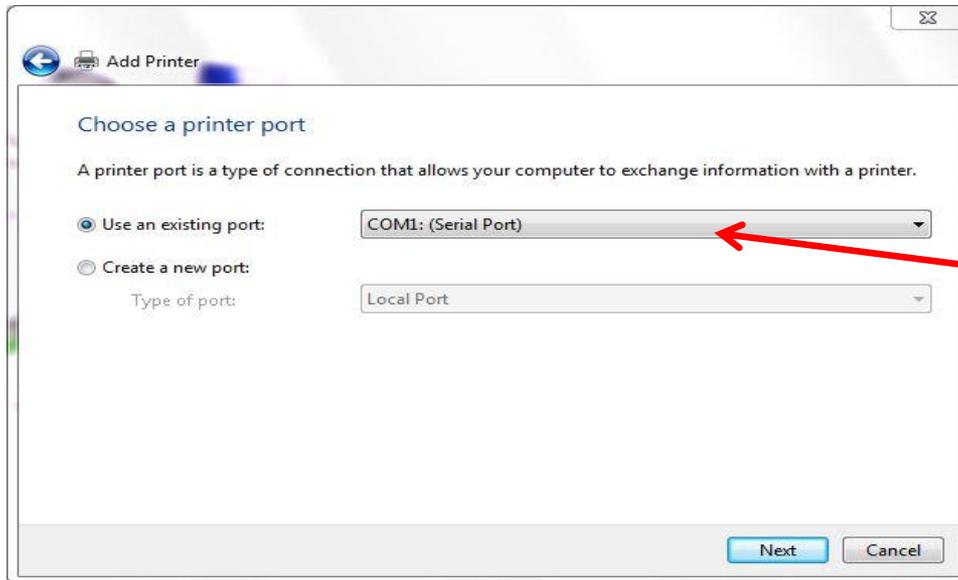
- Add Printer: Click > Add a local printer

Select:
- "Use an existing port:"
- "Com#: (Serial Port)"

Note: Choose available COM# / Serial Port
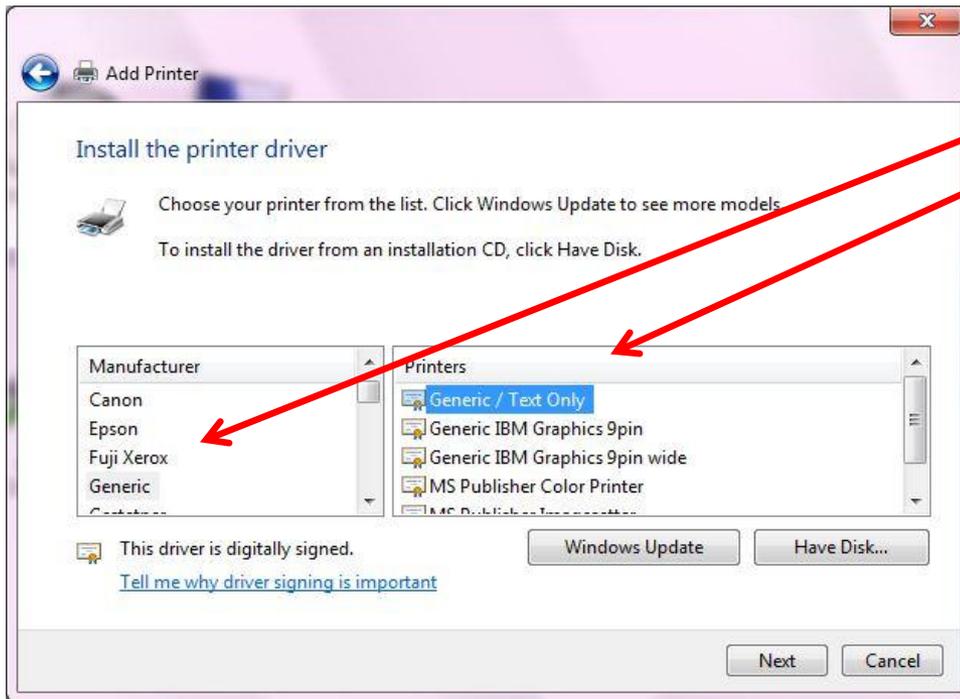
Select:
Manufacture: **Generic**
Printers: **Generic / Text Only**

Click "Next" till "Finish"
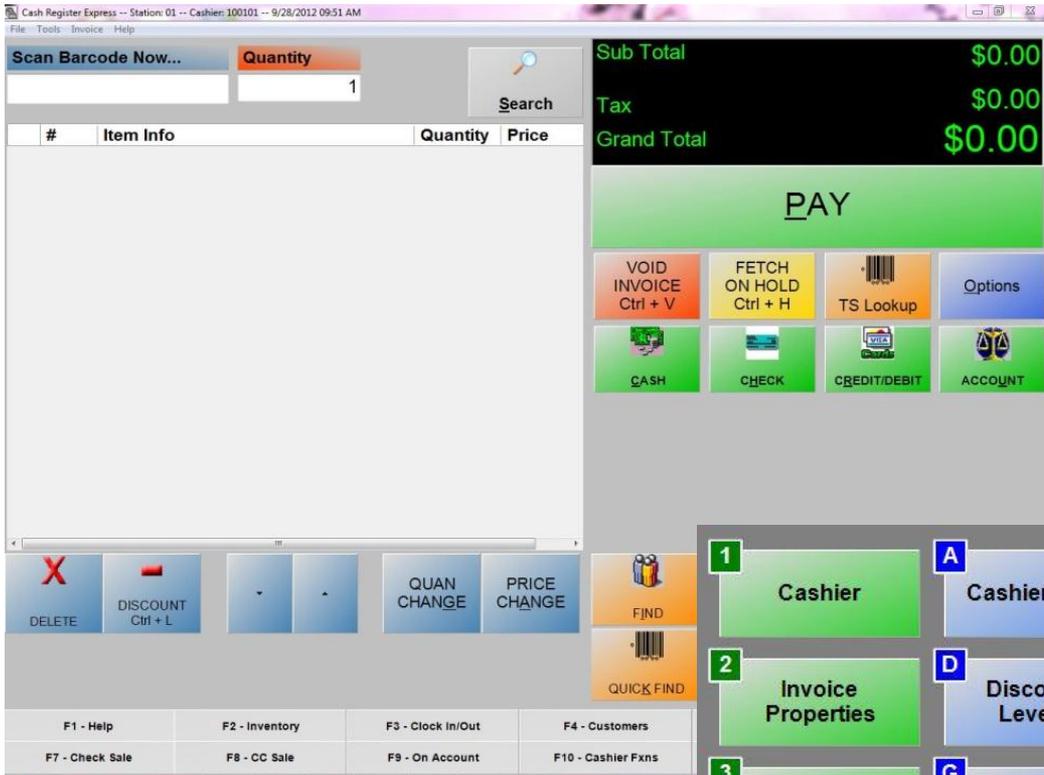
Click Options > Setup > Setup Screen
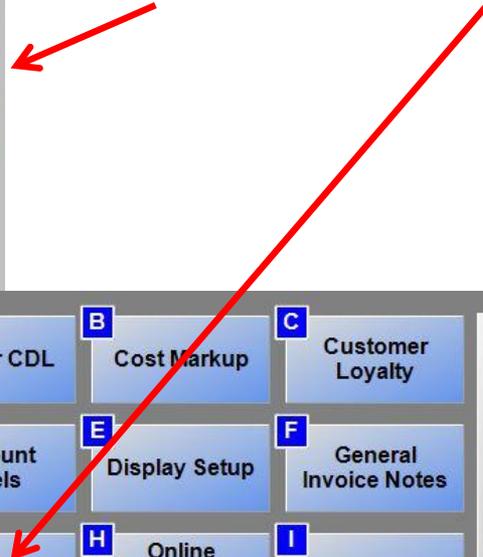
Setup Screen: Station Specifics

Print Extra Order Copy To: **Printer**
Station Role: **Standard**
                    Generic / Text Only

Receipt: Page 1

Receipt Size: **Receipt**
(others setting, output information varies)

1. Connect DB9 cable from POS cash register output into back side of Data Capture Box V3/V3E using straight through DB9 cable (included in the package).

Rear Panel
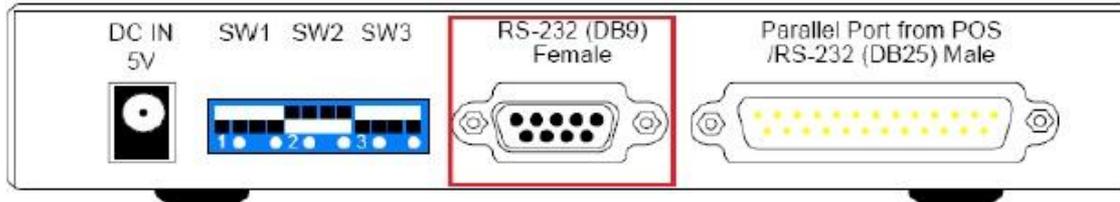
SW1 & SW2 & SW3:
Leave at Default position
(as shown)

2. Connect Data Capture Box V3E onto local network via Ethernet port on the side.

Side Panel
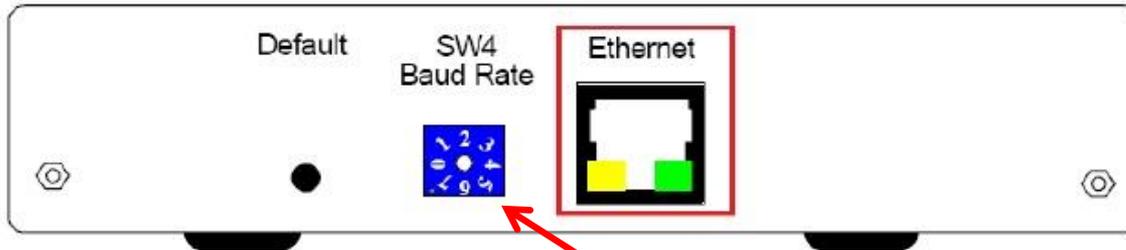
Switch Number	Baud Rate
0	115200 (default value)
1	57600
2	38400
3	19200
4	9600
5	4800
6	2400
7	1200

SW4:
Turn dial to matching speed

Note:
Make sure that Bit Rate Speed is identical with Baud Rate

Cross-over Ethernet

GV-Data Capture V3E   PC/Notebook

1. Connect Data Capture Box V3E with a PC/laptop via an **Ethernet cable**.
2. On the PC/laptop, click on "Start", "**Control Panel**", then "**Network Connections**".

Network Connections

Local Area Connection
Connected, Firewalled
ASUSTeK/Broadcom 440x 10/...

3. Double-click on "**Local Area Connection**".
4. Click "**Properties**".
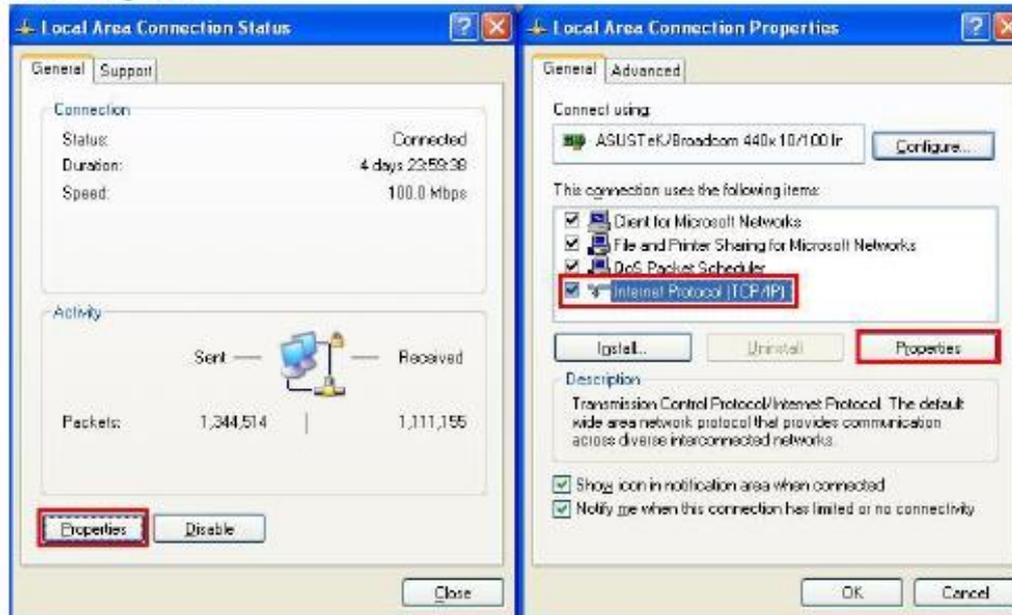
5. Highlight "**Internet Protocol (TCP/IP)**", select "**Properties**".
6. Select "**Use the following IP Address**", then set PC/laptop's network properties as follows:
    a. IP Address: 192.168.0.50
    b. Subnet Mask: 255.255.255.0
    c. Default Gateway: 192.168.0.1
    d. Preferred DNS Server: 192.168.0.1

7. Click "**OK**".
8. Open Internet Explorer, go to http://192.168.0.100.

✓ *If page cannot be opened, verify Ethernet connection and make sure that Data Capture Box V3E is powered ON.*

9. Enter default User name "**admin**" and password "**1234**", click "**OK**".
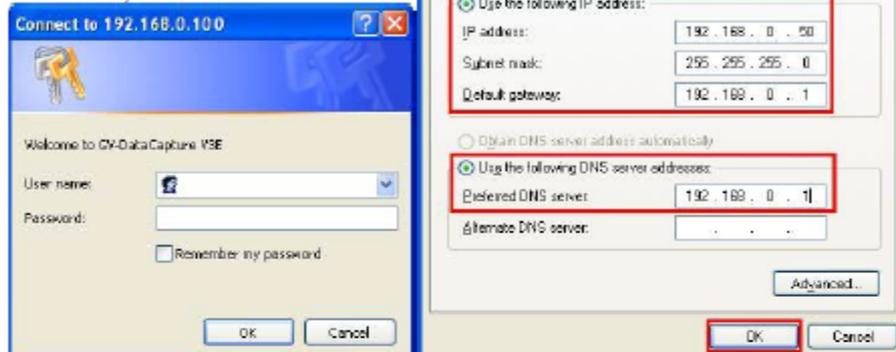
10. Change **IP Address**, **Subnet Mask**, **Default Gateway**, and **Domain Name Server** so they match the network properties of the desired network.

✓ *In order to prevent IP conflict, it is necessary to configure the Data Capture Box V3E with an IP address that is not yet taken in the network*

System Configuration

GeoVision

- **System Setting**
- **Other Setting**
- **POS Data Monitor**
- **Firmware Update**
- **Account Setting**
- **Logout**

GV-Data Capture V3E Name:	Data Capture 01
DHCP Client:	
⊙ **Enable**	
⊙ **Disable**	
IP Address:	192 . 168 . 0 . 100
Subnet Mask:	255 . 255 . 255 . 0
Default Gateway:	192 . 168 . 0 . 1
Domain Name Server:	168 . 95 . 1 . 1
Domain Name Service:	
⊙ **Not Send**	
⊙ **Send to LocalDDNS**	
Server IP:	192 . 168 . 0 . 10
Device Name:	pos

11. Double check the new network properties of the Data Capture Box V3E, click "**Submit**".
12. Connect Data Capture Box V3E back in original desired network.

✓ *Ping Data Capture Box V3E with its new IP address. If there is no response, load default on Data Capture Box V3E then restart from step 1.*

1. In Multicam, click on "**Configure**", "**Accessories**", "**POS Application Setting**", "**POS Device Setup**".
2. Click "**New**".

3. Select "**TCP/IP Port**" as Printer Type.

POS Server Setup

New	Modify	Delete		Text Setup
Device	Mapping Cam...	Parameter 1	Parameter 2	POS

Printer Type : Serial Port
- Serial Port
- Parallel Port
- TCP/IP Port

Device :

Mapping Camera :

POS Module:

COM Port :

9600,None,8,1

OK   Cancel

4. Select POS Device number, use "**1**" for first POS connection.

   ✓ *If multiple POS devices are connecting to the DVR, assign an index to each additional POS device in increasing order.*

   ✓ *When using POS Text Sender, the device number selected has to match the **POS Index** as shown in step 7 in section 4.6.4.*

Printer Type : TCP/IP Port

Device : 1 POS 1
- 1
- 2
- 3
- 4
- 5
- 6

Mapping Camera :

POS Module:

COM Port :

Data Capture IP Address Setting

5. Select "**Mapping Camera**" to map the POS overlay onto a camera.

   ✓ *One POS device can only overlay on one selected channel.*

   ✓ *Once the channel has been mapped to a POS device, it cannot be mapped for another POS device.*

Printer Type : TCP/IP Port

Device : 1 POS 1

Mapping Camera :

POS Module:
- Camera 1
- Camera 2
- Camera 3

COM Port :
- Camera 4

Data Capture IP Address Setting

6. Select "**POS Module**" to indicate POS type.

    ✓ *Select General if POS device does not specify a printer type*

    ✓ *Select POSTextSender for POS Text Sender*

7. Click "**Data Capture IP Address Setting**".

8. Enter **Device IP** of Data Capture Box V3E (step 10 in section 4.5.6) or POS Text Sender (Windows-based POS system).

9. Enter **Password** of Data Capture Box V3E (section 4.5.5) or POS Text Sender (step 9 in section 4.6.4).

10. Click "**OK**".

11. Click "**Add**" to add the POS device.

1. In Multicam, click on "**Configure**", "**General Setting**", "**Text Overlay Setting**".
2. Select camera with POS text overlay.
3. Check or uncheck the options to have POS text overlaid on video file (recorded video), screen (live view), and/or POS Live View window.
4. Adjust "**Clean time**".

   ✓ *Clean Time is defined as the time period in which POS text overlay will remain on screen after last transaction is received.*

5. Adjust "**Transaction end dwell time**".

   ✓ *Transaction end dwell time is defined as the time period in which POS text overlay will remain on screen after receiving transaction stop event.*
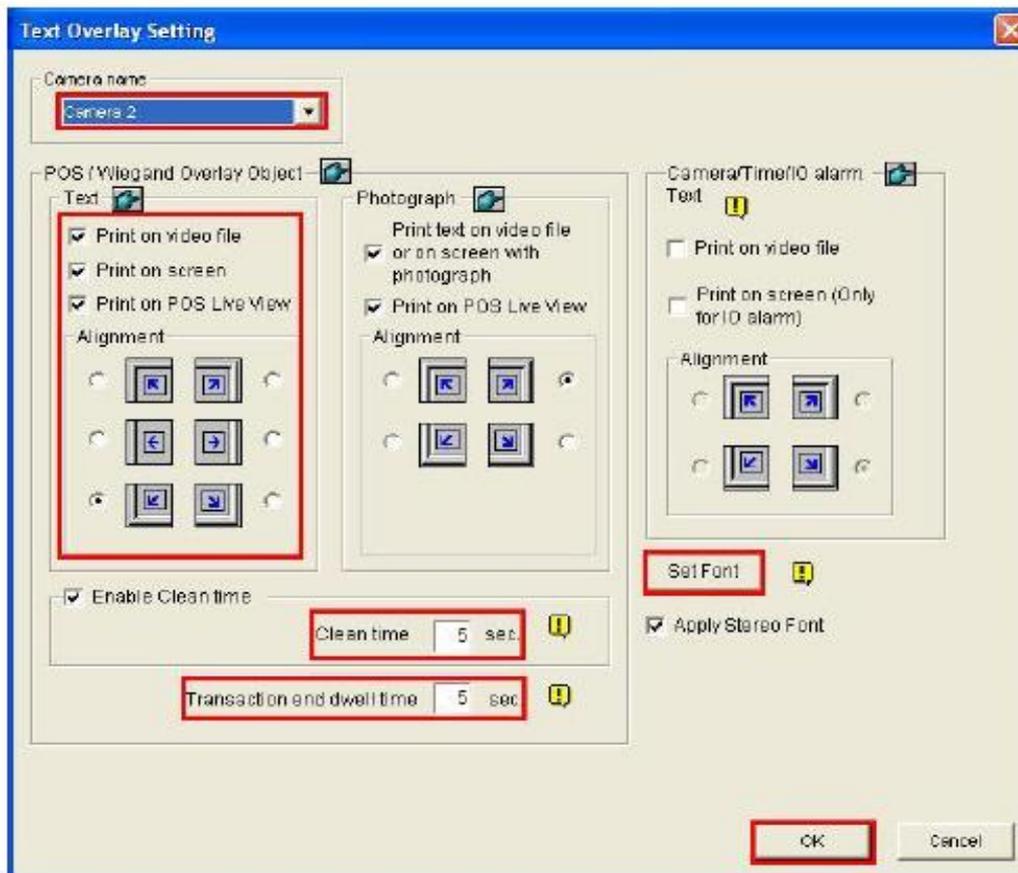
6. Click "**Set Font**" to adjust text overlay font, size, and color.
7. Click "**OK**".