Direct POS Integration

In this POS integration, the transaction data is directly transmitted to the GV-DVR / NVR / VMS through network connection.

Before You Start

Before you start, note the specifications and prepare the following items:

- A POS device generating TXT, INI, JNL or any other raw (unprocessed) text files.
- An appropriate dongle for connecting to GV-DVR / NVR / VMS. The dongle options include 1, 2, 4, 8, 12 and 16 ports for GV-DVR / NVR / VMS, and an additional 32 ports only for GV-VMS.
- A stable network connection between the POS device and GV-DVR / NVR / VMS.
- Through direct POS integration, up to 16 POS devices can be connected to one GV-DVR / NVR / VMS at a time.

Note: The POS integration also supports certain customized cases, namely OPOS Printer Driver protocol, Internet protocol, EPSON and Infogenesis POS devices.

Settings

A POS device can be added to GV-DVR / NVR / VMS by following these 3 steps:

- Step 1: Physical Connection
- Step 2: Settings on GV-POS Text Sender
- Step 3: Settings on GV-DVR / NVR / VMS



Step1: Physical Connection



- 1. Enable <u>File Share</u> on the POS device, so GV-DVR / NVR / VMS can access the data through a <u>network drive</u>.
- Insert the USB dongle to and install <u>GV-POS Text Sender</u> on the computer with GV-DVR / NVR / VMS.

IMPORTANT:

- 1. Make sure the POS device and GV-VMS are under the same LAN.
- 2. If for some reason the transaction data cannot be accessed through file share, you may want to consult your POS device manufacturer.

Step 2: Settings on GV-POS Text Sender

1. Run **POS Text Sender [Only for Windows-based and Text Mode POS device]**. This dialog box appears.

POS Text Sender				
New Modify	Delete			Stop
Status(DVR/NVR) Source		POS Index	Port	Parameter
Connected C:\Use	s\Test346\Desktop\Data.txt	POS1	TCP(4000)	
				_
•				
Autorun when Windows st	irts			



2. Click the **New** button. This dialog box appears.



- 3. Select File.
- 4. Click **OK**. This dialog box appears.

Configure	×				
Stock and inventory control					
Printer Type	Serial Port 🛛 👻				
File Path					
POS Index	~				
COM Port	~				
9600,None,8,1					
Add	Cancel				

- **Printer Type:** Select **TCP/IP Port** as the connection method to GV-DVR / NVR / VMS.
- File Path: Locate the data file from a network drive to be transmitted to GV-DVR / NVR / VMS.
- **POS Index:** Number the POS device if multiple devices are connected.
- TCP Port Setting / IP address button: Click the button to configure the device port and set a password that needs to be later matched on the GV-DVR / NVR / VMS for authentication. By default, the port value is 4000.

	Device Printer Type	TCP/IP Port	TCP/IP Setting	
TCP Port Setting	Device Mapping Camera Filter Setting	2 POS 2 Camera 2 • POSTextSender •	127.0.0.1 Browse Device Setting Device Port 4000	-
Device Port 4000 Password OK Cancel	Use Codepage Mapping [] 1252 (ANSI - Latin I) Text Setup Source Is Unicode Trace Mode []		ID admin Password	
Settings on GV-POS Text Sender	Setting	ıs on GV-DVR	/ NVR / VMS	ancer

- 5. Click **OK** to apply the settings.
- In the GV-POS Text Sender dialog box, the POS device is added to the connection list. Click Start to start the connection. You can also minimize the dialog box to the notification area.



Step 3: Settings on GV-DVR / NVR / VMS

Here we use **GV-VMS** to exemplify the procedures.

 Click Home > Toolbar > Configure > System Configure > Accessories > POS Device Setup. This dialog box appears.

New	Modify Delete	Cap	ture Data Setting	Filter Setting	SDK Server
Device	Mapping Camera	Parameter 1	Parameter 2	POS Module	
POS 2	Camera 2	127.0.0.1	TCP/IP Port=4000	POSTextSender	
POS 23	Camera 1	127.0.0.1	TCP/IP Port=4001	POSTextSender	



2. Click the New button. This dialog box appears.

Device				×
Printer Type Device Mapping Camera Filter Setting	er Type TCP/IP Port Pos 2 Po		TCP/IP Setting IP Address or Domain Name 127.0.0.1 Browse Device Setting Device Port 4000	
Use Codepage Mapping () 1252 (ANSI - Latin I) Text Setup Source Is Unicode Trace Mode ()		ID Password	admin •	
			OK Can	icel

- Printer Type: Select TCP/IP Port as the type of connection to GV-VMS.
- Device: Select the number of the POS device as set on the POS Text Sender and rename if necessary.
- Mapping Camera: Assign the POS device to a camera screen to display the POS data.
- Filter Setting: Select POS Text Sender.
- TPC/IP Port Settings:

Type the IP address **127.0.0.1**, since the POS Text Sender is on the same PC as GV-DVR / NVR / VMS, and the port value and password set on the POS Text Sender. By default, the device port is **4000**.

Device			×
Printer Type	TCP/IP Port	TCP/IP Setting	
Device	2 v POS 2	IP Address or Do	omain Name
Mapping Camera	Camera 2 🔻	127.0.0.1	
Filter Setting	POSTextSender	Browse Device Setting	
-		Device Port	4000
Use Codepage Mapping		ID	admin
		Password	

3. Click Add. The POS device is added to GV-VMS.

Additional functions available on the Device dialog box:

- **Use Codepage Mapping:** This feature is to support the display of special characters and symbols.
- **Text Setup:** Change the font and position of the transaction data on the live and recorded images.
- Source Is Unicode: Select if your source data is Unicode.
- Trace Mode: Select this option only when recommended by our technical support staff.