

POS Instructions

1. Configuration

Before enable POS function you need to do overlay settings in Configuration-POS menu as following:

1. Connection Protocol:

Current version supports 6 kinds of connection protocol: TCP, UDP, Mcast, RS232, USB to RS232 and Sniff.

- a) TCP Receive connection protocol means transmit data via TCP protocol between POS and back-end device. The port must be set within 2000~65505 if you use this, the port must be different for each POS machine;



- b) UDP Receive connection protocol means transmit data via UDP protocol between POS and back-end device. The port must be different for each POS machine;
- c) Multicast: Recorder and POS are connected by Multicast protocol, multicast address and port must be set;



- d) Use the RS-232 of recorder directly, support any baud rate, serial port must be set to 'Transparent Channel'(Configuration -> RS-232, change 'usage' to 'Transparent Channel');



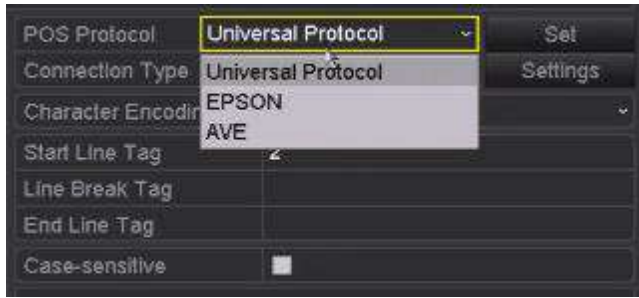
- e) USB2RS232: use the USB to RS232 converter, the port in convertor and POS are one-to-one correspondence, thus, POS1 should be connected to Port1 of convertor.
Kindly note that device will only support 4-port/8-port model convertor. For 7608NI-ST,7608NI-SP,7616NI-ST and 7616NI-SP , only 8-port model convertor is supported.
- f) Sniff: source address must be set, source port, destination address and port are optional.

2. POS protocol

After connecting the POS to recorder, then you should choose a protocol.

Now this version supports Universal, Ave, Epson protocol.

- a) Universal: According to the POS protocol, user can define the customized Start and End line ID. The back-end device will overlay received POS data between start identifier and end identifier, and draw a new line according to the set newline character or universal identifier ("OD0A") . In this protocol, user can use above 6 connection types.
Please define a Start Line ID and an End Line ID, they are the first string and the last string as defined. Without these two IDs, strings received could not be shown on the screen:



b) Ave and Epson protocol: fixed start and end line ID.
For now only Universal protocol is integrated.

3. Treatment

a) Assign the POS machine to corresponding channel which you want to overlay:



b) Select the corresponding trigger channel in the Handle menu;



c) Handling function and PTZ linking are also supported, select as you want:



4. Font size

Currently supports three font, click on the "Fonts" drop-down list to select the desired font (small, medium, big).

5. Start Line ID, End Line ID, Line Delimiter

These are overlay identifiers. In the Universal protocol you can customize by yourself (multiple language input is supported).

6. Case Sensitive

Case sensitive presents if the three IDs discriminate the case of letters.

7. Time Out(s)

Time out(s) is the time of receiving. When the time of a message reception is over this value, the reception will be shut down. Default value is 60s and can be set within 5~3600s.

8. POS Source information display frame

The size and position of textbox could be changed on the preview screen of POS settings interface by drafting the frame.

Note: Max.44 letters each line and max.16 lines



9. Test

Click 'Test' button, POS overlay can be only seen in live view, won't be recorded. usage scenario: when configuring start and end line ID in Universal protocol;

10. POS overlay position setting

Click and drag the mouse on the rectangle of live video to move overlay position area.

Click and drag the mouse on the rectangle's edge to modify overlay position area.

11. Overlay switch button in live view

The switch is used to set whether display POS information or not in live view. (This switch do 不 not affect POS overlay in video record).

12. Character encoding

This FW support multi-language overlay, choosing different encoding can display different language.

13. Font color :

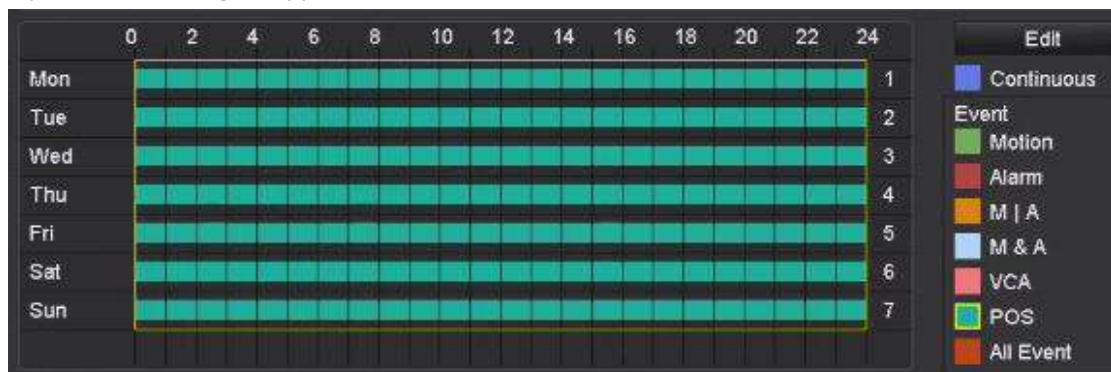
This FW support 9 colors.

14. Overlay channel

Choose the channel POS text to display, can be different channel from recording channel.

15. Search

In the playback interface, click the “POS On” to show the POS information when playing back, and key words searching is supported under this interface.



16. POS record schedule

Independent POS record schedule is supported (Record->Schedule).

Test example:

Enter Configuration-RS232 interface, set baud rate to 9600.

Enter POS configuration interface, enable POS1, and select USB2RS232 for connection protocol.

Click 'Handle' button, and select A1 for record, and trigger audible alarm.

Enter Overlay Channel Settings, select A1 for overlay channel.

Then configure start and end line ID as 11 and 22.

After all click 'Apply', configuration is done.

Use POS to send test message and adjust overlay position as you like.

