NETKEYBOARD NKB1000

Keyboard Overview

Solution

Operation

Zhou_feng2 671513

Keyboard Overview

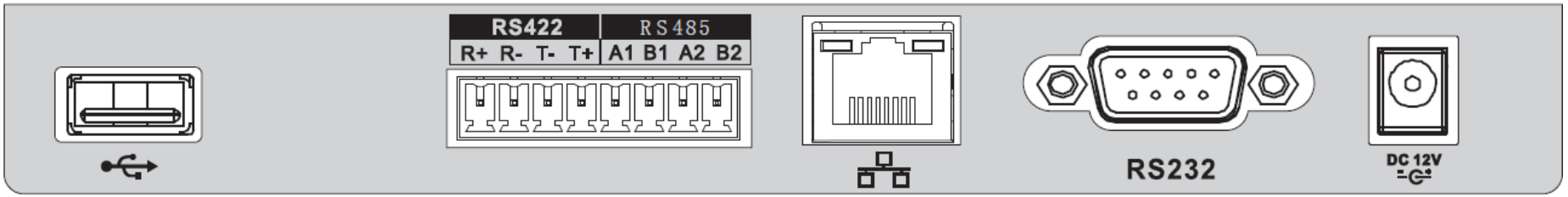
Overview - Appearance

LCD Display Panel

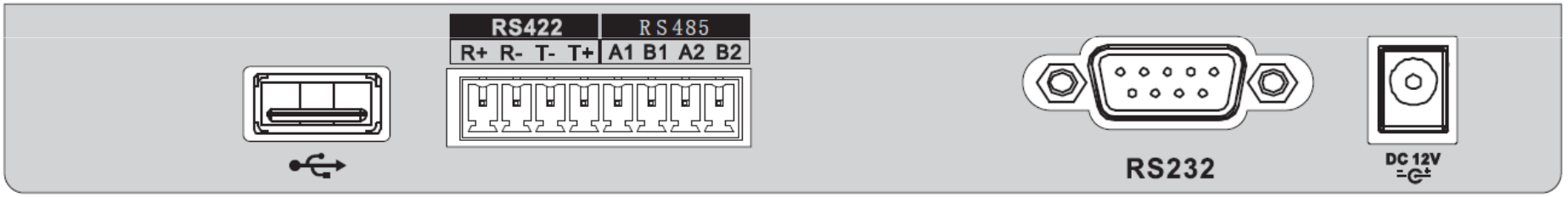
Common Area | DVR Area | PTZ Camera Area | Joystick | LED Indicator

Overview - Interface

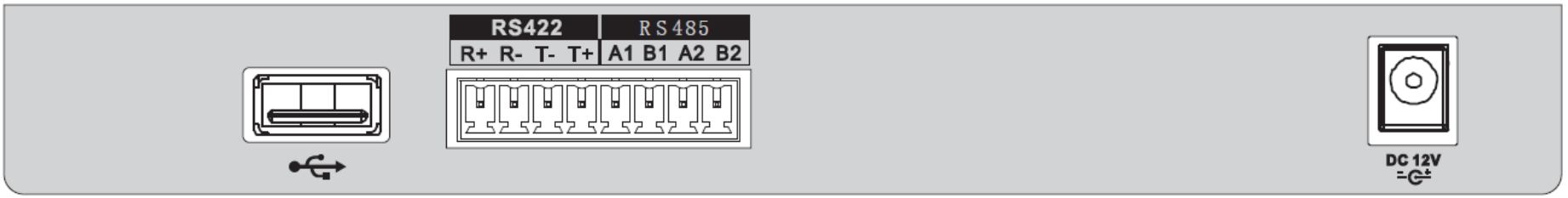
NKB1000



KBD1000



KB1000



Solution

Keyboard to controls PTZ cameras

***1** keyboard controls max. **32** PTZ cameras.*

RS485 Connection

All 3 models

***1** keyboard controls max. **2048** PTZ cameras.*

Network Connection

NKB1000 only

Keyboard to controls DVR/NVR

***1** keyboard controls max. **1** DVR/NVR.*

RS232 Connection

NKB/KBD1000 only

***1** keyboard controls max. **2048** DVR/NVRs.*

Network Connection

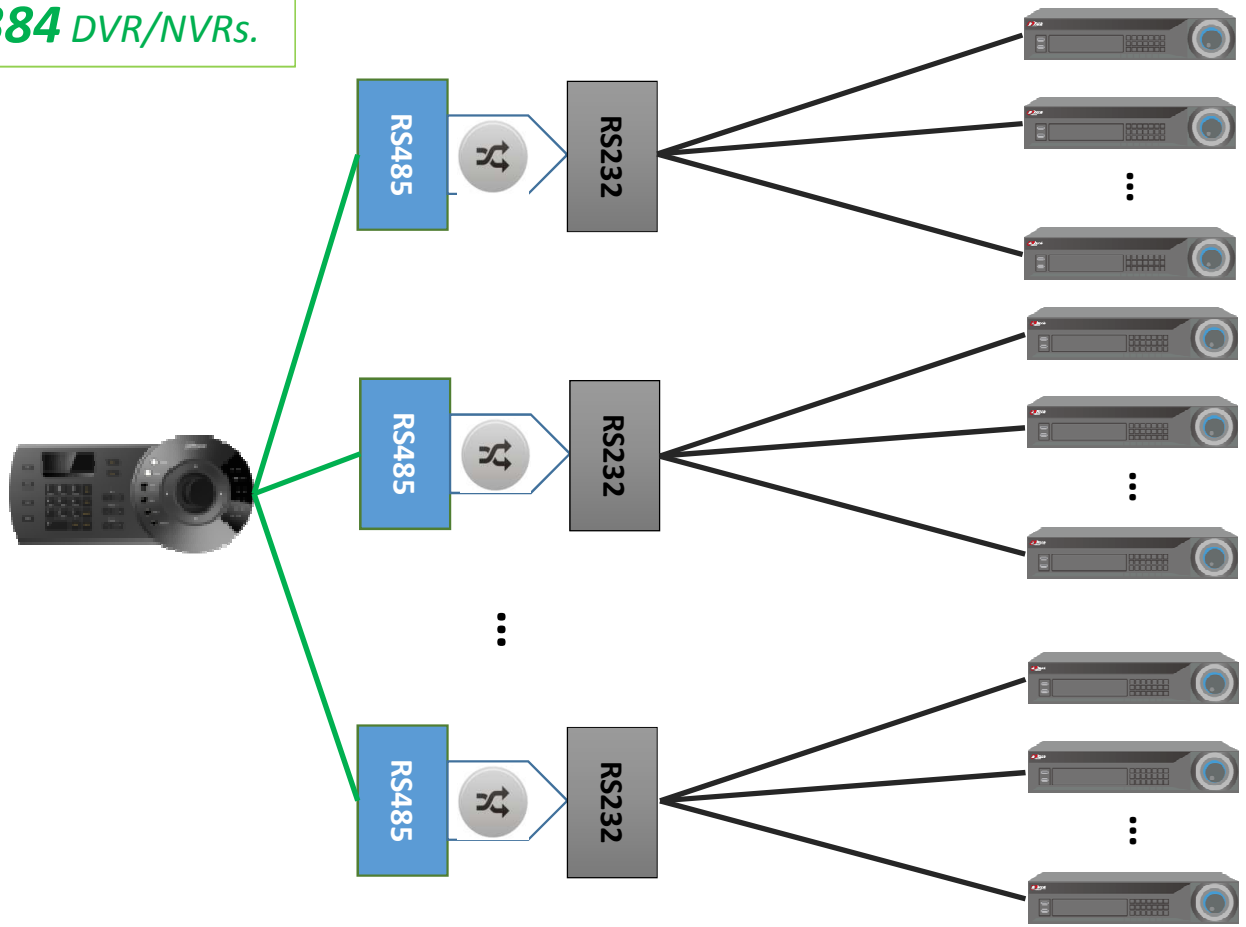
NKB1000 only

Keyboard to controls DVR/NVR

***1** keyboard controls max. **384** DVR/NVRs.*

RS485-RS232 Box

All 3 models



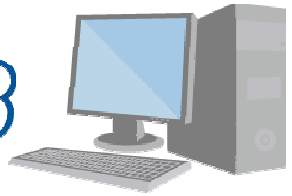
1 keyboard → 32 RS485-RS232 boxes, 1 RS485-RS232 box → 12 RS232 connections

Keyboard to controls SmartPSS

1 *keyboard controls max.* ***1*** *PC.*

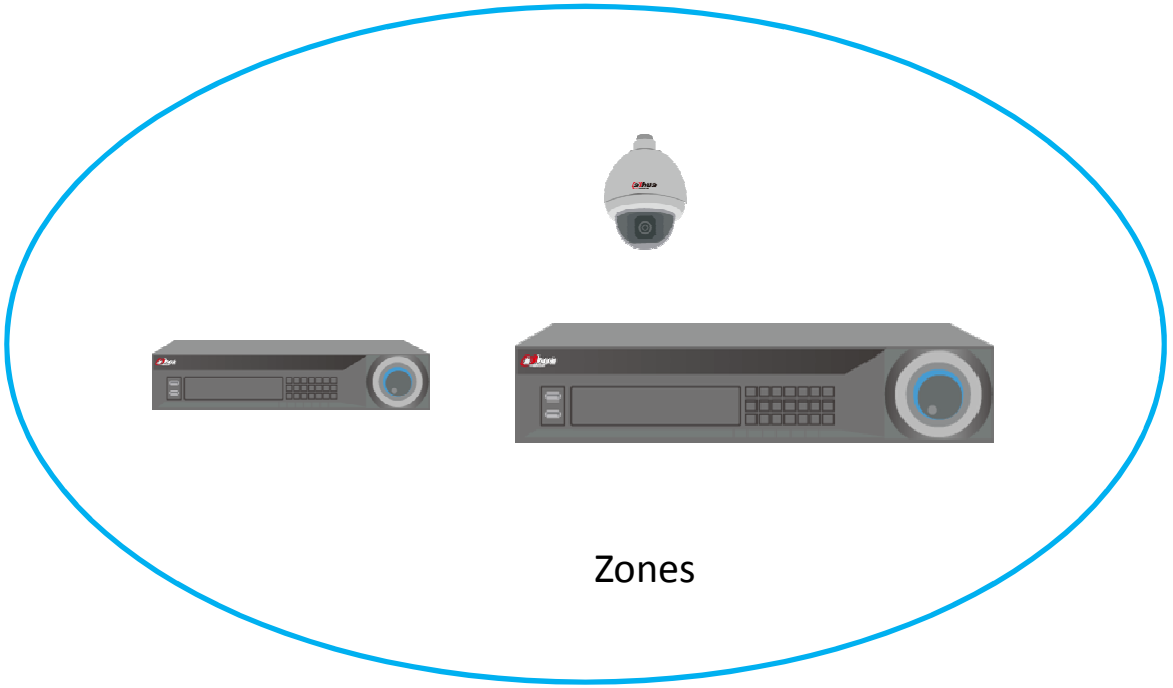
USB to SmartPSS

NKB1000 only



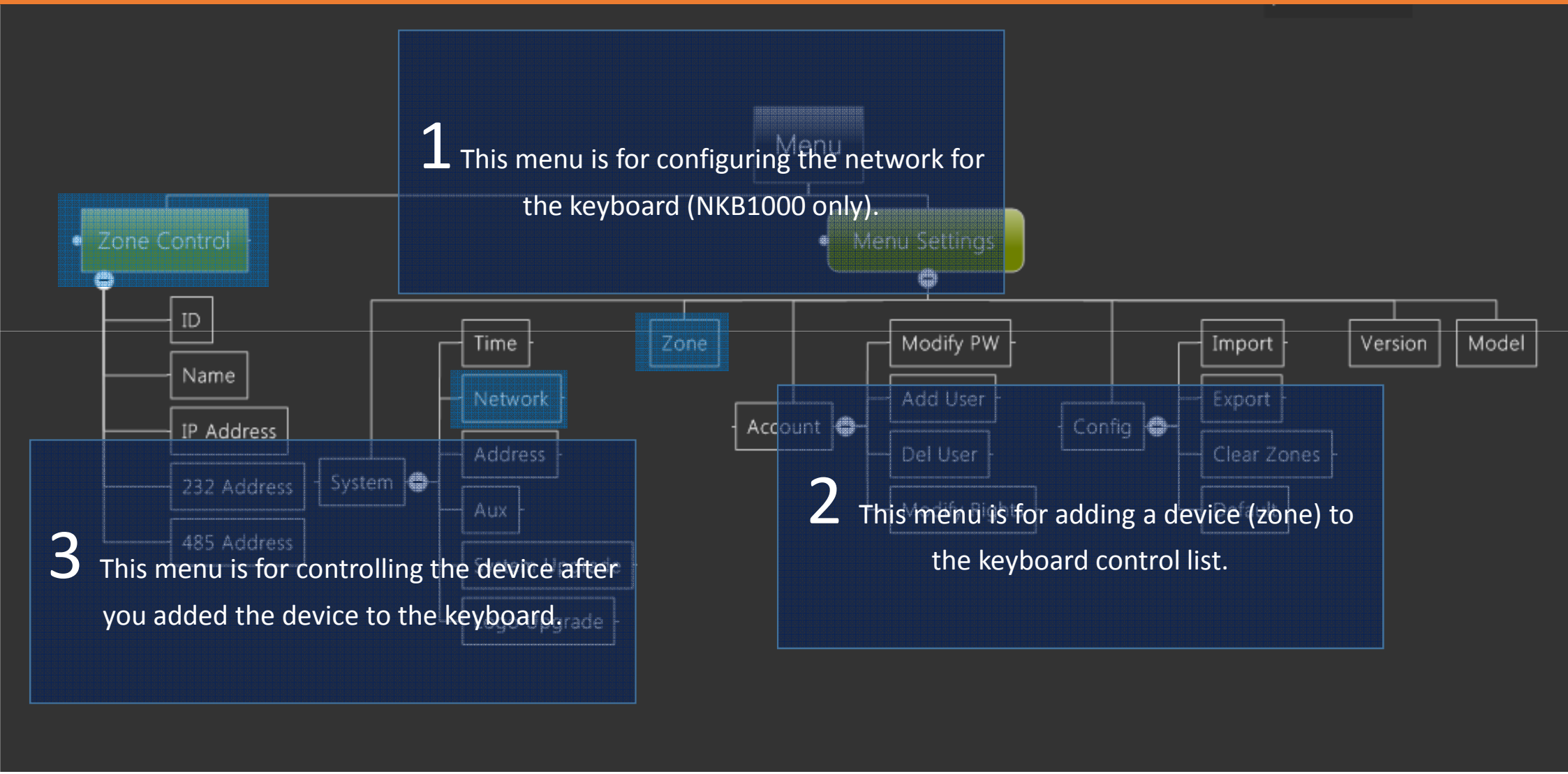
Commonly Used Operations

Adding devices to keyboard “zone” list



Tips: Every device that needs to be controlled by keyboard must be added as a “**zone**” first.

Menu of Keyboard



Adding Zones

After you've entered the "zone" menu. You'll see the following parts:
ID: This is the id of zones, you can set any number between 0~2048.
Name: This is the name of zones, you can set any name with characters and digital numbers.
Type: This is the type, you can choose DVR, NVR, SD, etc.
Link: This is the connection type, you can choose NET, COM232, COM485.

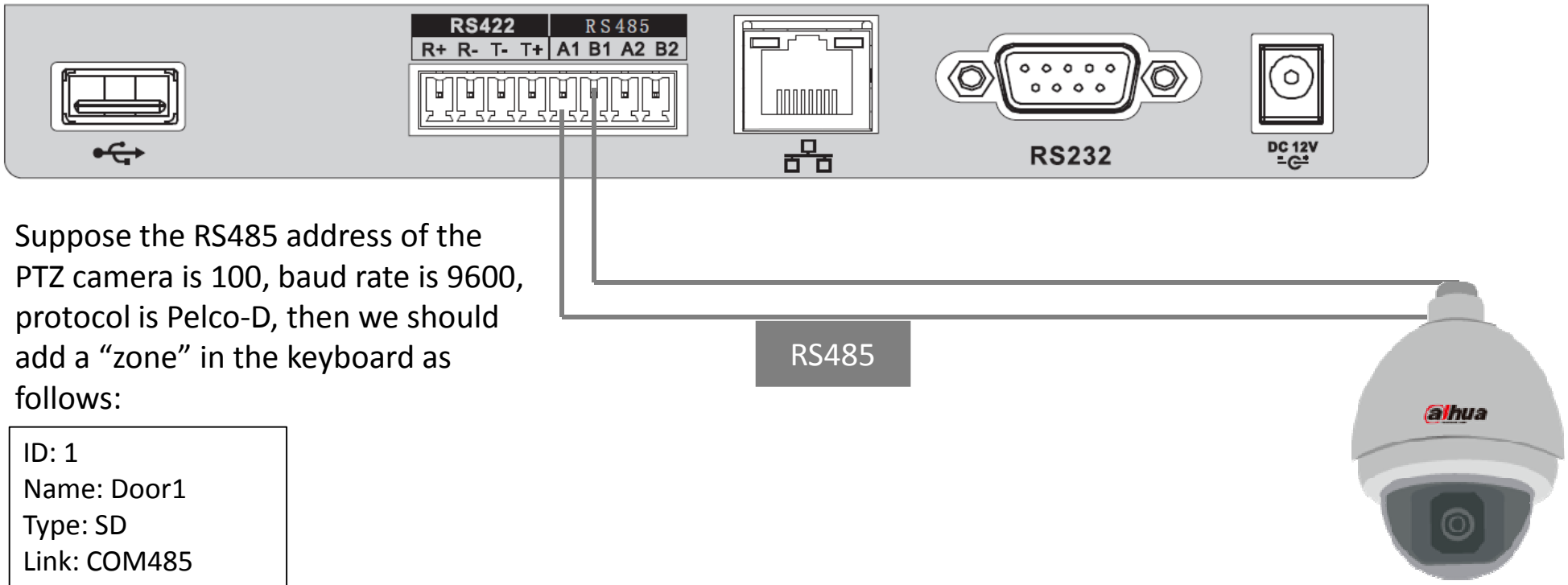
Based on the link type, you'll have 3 different configurations as follows:

Link type: NET	Link type: COM232	Link type: COM485
IP Addr: IP of the device **Port**: Port of the device **Rule**: Control protocol "DH-2" **PW**: Password for admin account of the device	232 Addr: RS232 address of device Rule: Control protocol Baud Rate: Databit: Parity: Stop Bit:	485 Addr: Rule: Baud Rate: Databit: Parity: Stopbit:

Commonly Used Operations

Control PTZ Camera
(HDCVI/Analog/IP)

Controlling PTZ Cameras – Via RS485 - Setup

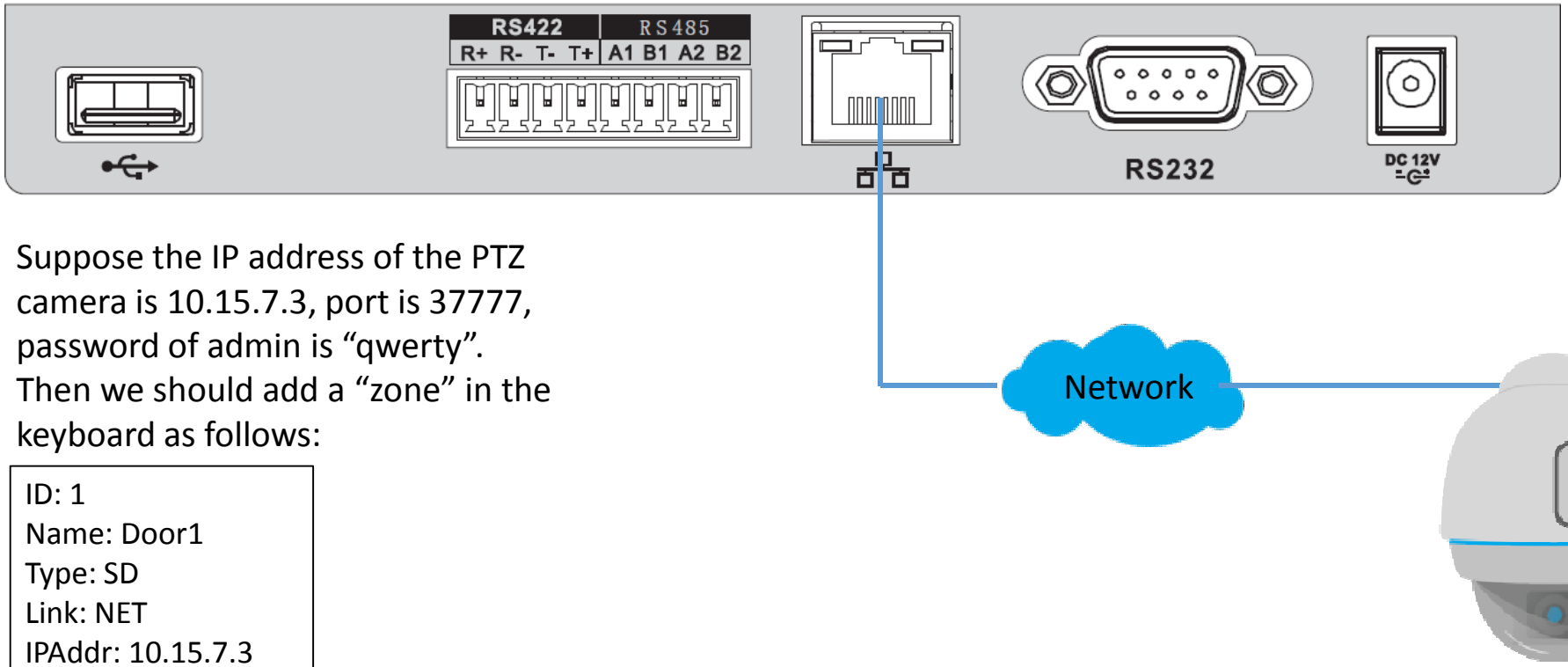


Suppose the RS485 address of the PTZ camera is 100, baud rate is 9600, protocol is Pelco-D, then we should add a “zone” in the keyboard as follows:

ID: 1
Name: Door1
Type: SD
Link: COM485
485Addr: 100
Rule: PELCOD
BaudRate: 9600
DataBit: 8
Parity: None
StopBit: 1

Note: you can set any ID or Name, but should set other parts based on the actual configuration of the PTZ camera.
RS485connection is available for NKB1000/KBD1000/KB1000.

Controlling PTZ Cameras – Via Network - Setup



Suppose the IP address of the PTZ camera is 10.15.7.3, port is 37777, password of admin is “qwerty”. Then we should add a “zone” in the keyboard as follows:

ID: 1
Name: Door1
Type: SD
Link: NET
IPAddr: 10.15.7.3
Port: 37777
Rule: DH-2
PW: qwerty

Note: you can set any ID or Name, but should set other parts based on the actual settings of the PTZ camera.
Network connection is only available for NKB1000.

Controlling PTZ Cameras

After you've added the PTZ camera to the "zone" list of the keyboard.
Enter the "Zone Control" menu, input the ID of the PTZ camera, click "ENTER", the keyboard will connect to the PTZ camera and show the following interface.

You can also choose other ways to connect: name, address, etc.

Controlling PTZ Cameras - Operation

OTHER: Speed dome OSD menu
PRESET: Set/call preset
SCAN: Set/call scan
PAN: Call pan
TOUR: Set/call tour
PATTERN: Set/call pattern

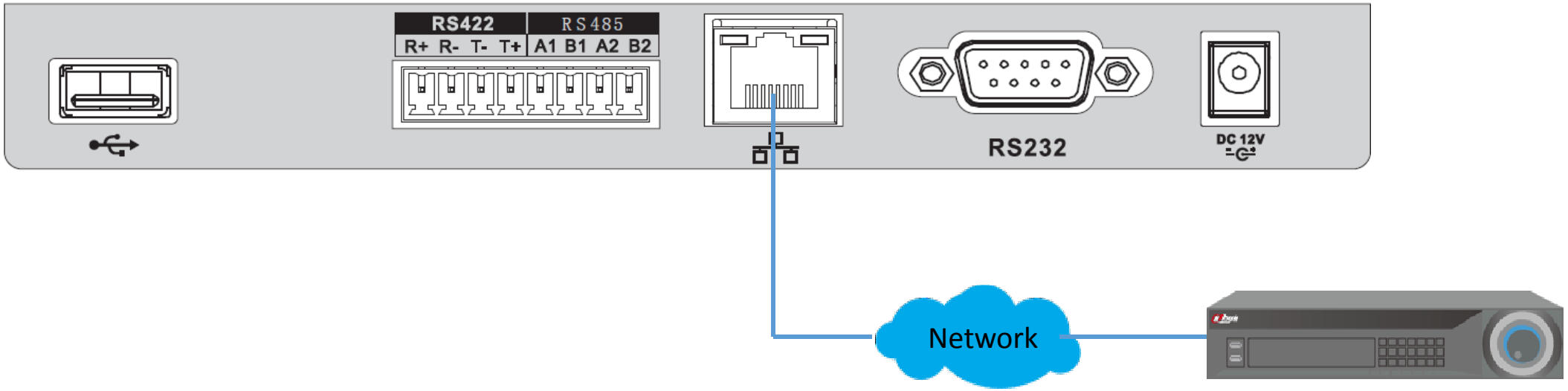
Pan/Tilt/Zoom

IRIS: control the aperture
FOCUS: control the focus
ZOOM: zoom in/out

Commonly Used Operations

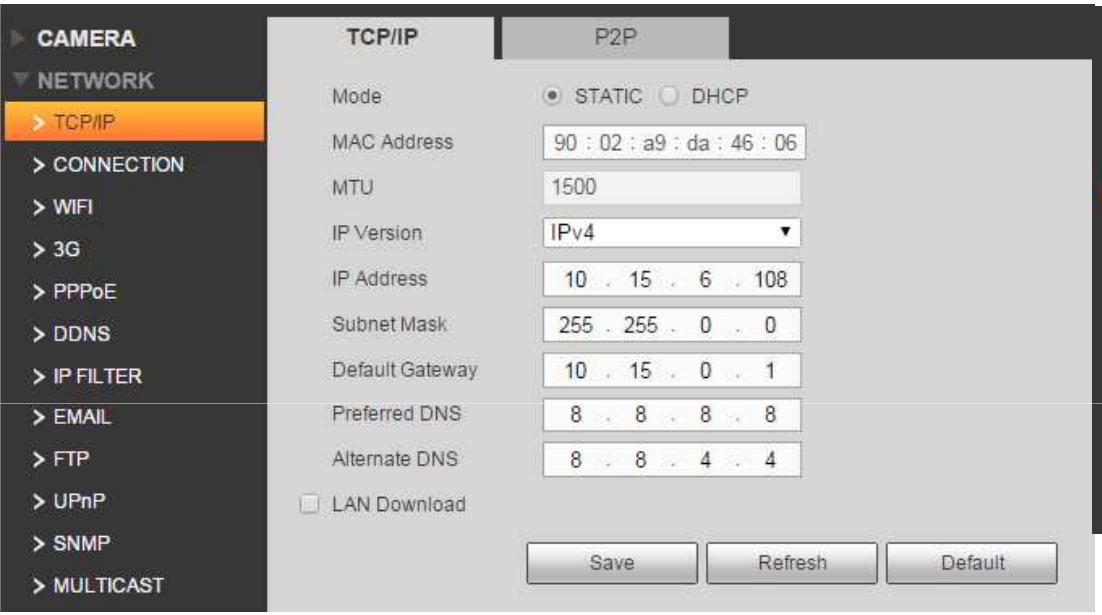
Control DVR/NVRs

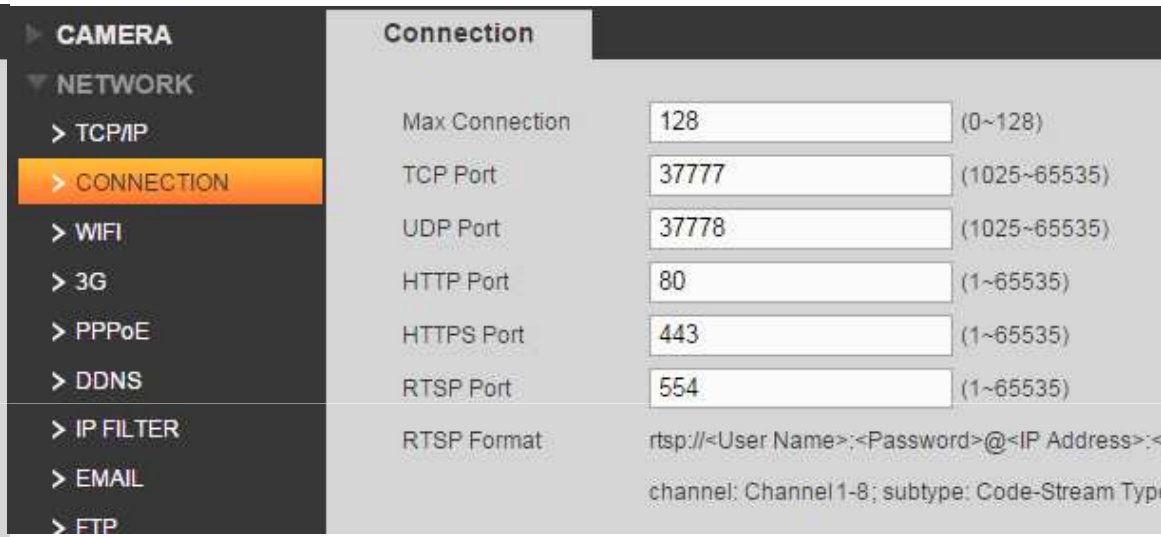
Controlling DVR/NVRs – Via Network - Setup



1 Connect the keyboard and the DVR/NVR to the same network.

Controlling DVR/NVRs – Via Network - Setup





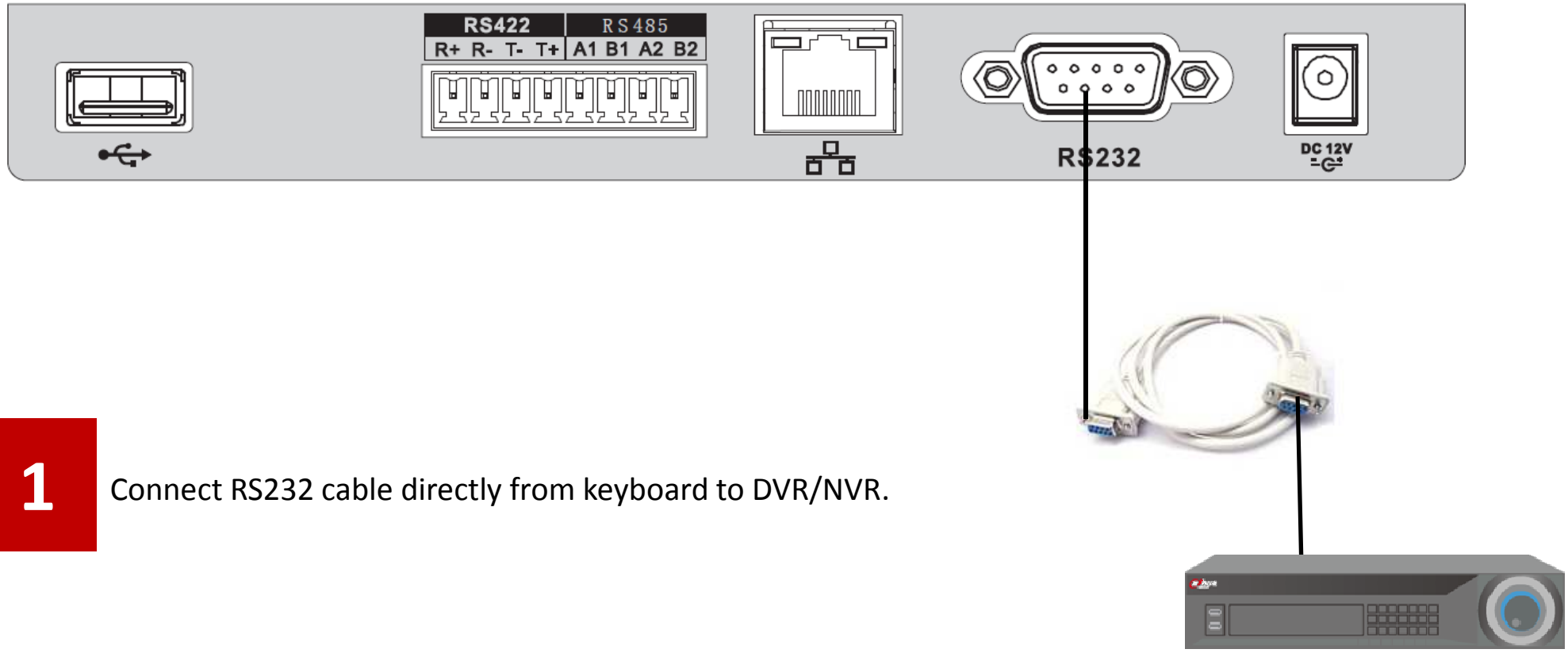
2 Check the IP address and the port number of the DVR/NVR.

Controlling DVR/NVRs – Via Network - Setup

3 Add the DVR/NVR as a “zone” in the keyboard.

ID: 1
Name: MyDVR
Type: NVR
Link: NET
IPAddr: 10.15.6.108
Port: 37777
Rule: DH-2
PW: admin

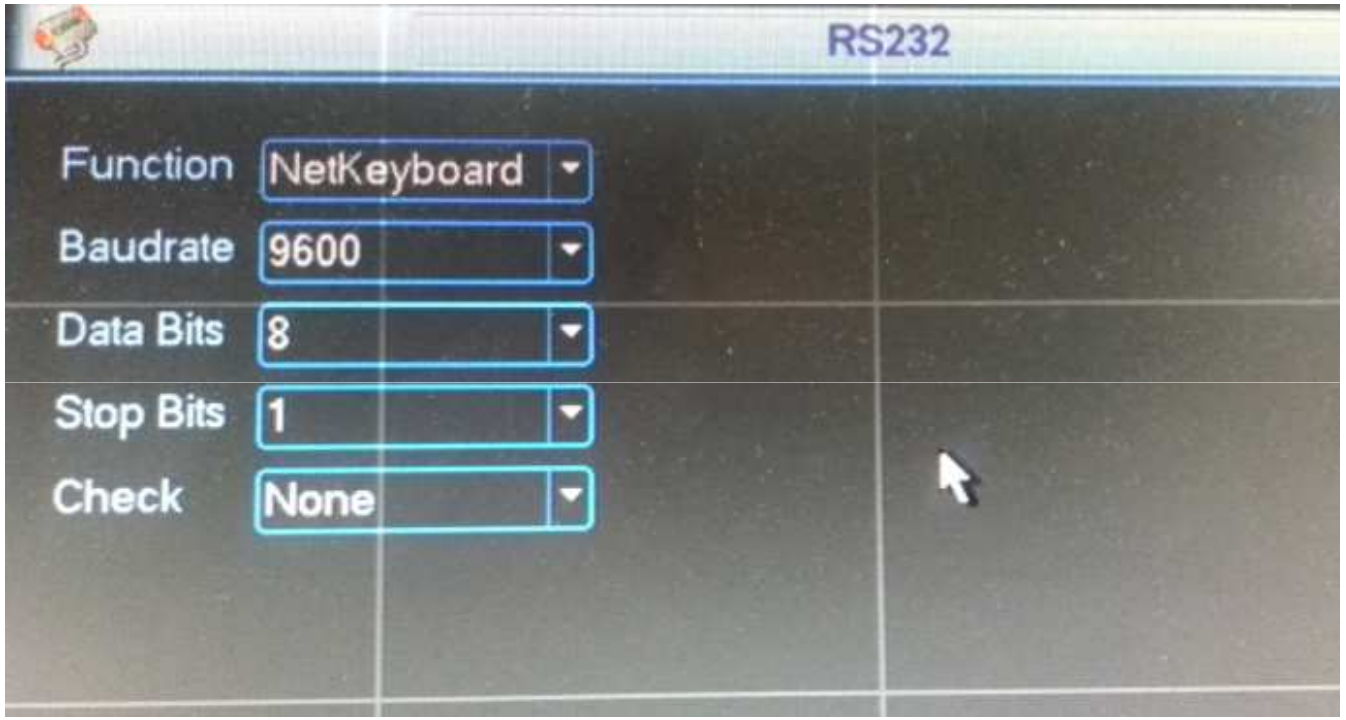
Controlling DVR/NVRs – Via RS232 - Setup



1 Connect RS232 cable directly from keyboard to DVR/NVR.

Controlling DVR/NVRs – Via RS232 - Setup

2 Check the address of the DVR/NVR in its menu.



3 Check the RS232 configuration of the DVR/NVR.

4 Add the DVR/NVR as a “zone” in the keyboard.

ID: 1
Name: MyDVR
Type: DVR
Link: COM232
232Addr: 8
Rule: DH-2
BaudRate: 9600
DataBit: 8
Parity: None
StopBit: 1

Connecting DVR/NVR

After you've added the DVR/NVR to the "zone" list of the keyboard.
Enter the "Zone Control" menu, input the ID of the DVR/NVR, click "ENTER", the keyboard will connect to the DVR/NVR.

Operation

Joystick up/down: switch among different display layout, such as 1/4/6/8/9/16/25 split, etc.

Operation

Joystick left/right: switch cameras under current display spit.

e.g. : When it's display 1-4 channels in 4-split, move the joystick right direction will display 5-8 channels in 4-split.

Operation

NUM + MULT: change different split.

e.g. : 8+MULT will change the DVR/NVR to 8 split.

Operation

NUM + CAM: choose specific channel to display in full-screen mode.

e.g. : 1+CAM will put channel 1 in full-screen.

Operation

NUM + PTZ: control PTZ for specific channel.

e.g. : suppose channel 5 of DVR/NVR is connected to a PTZ camera, then 5+PTZ will put the camera in full-screen mode and you can use the joystick to control PTZ operations, also to see the OSD menu, set preset, tour and etc.

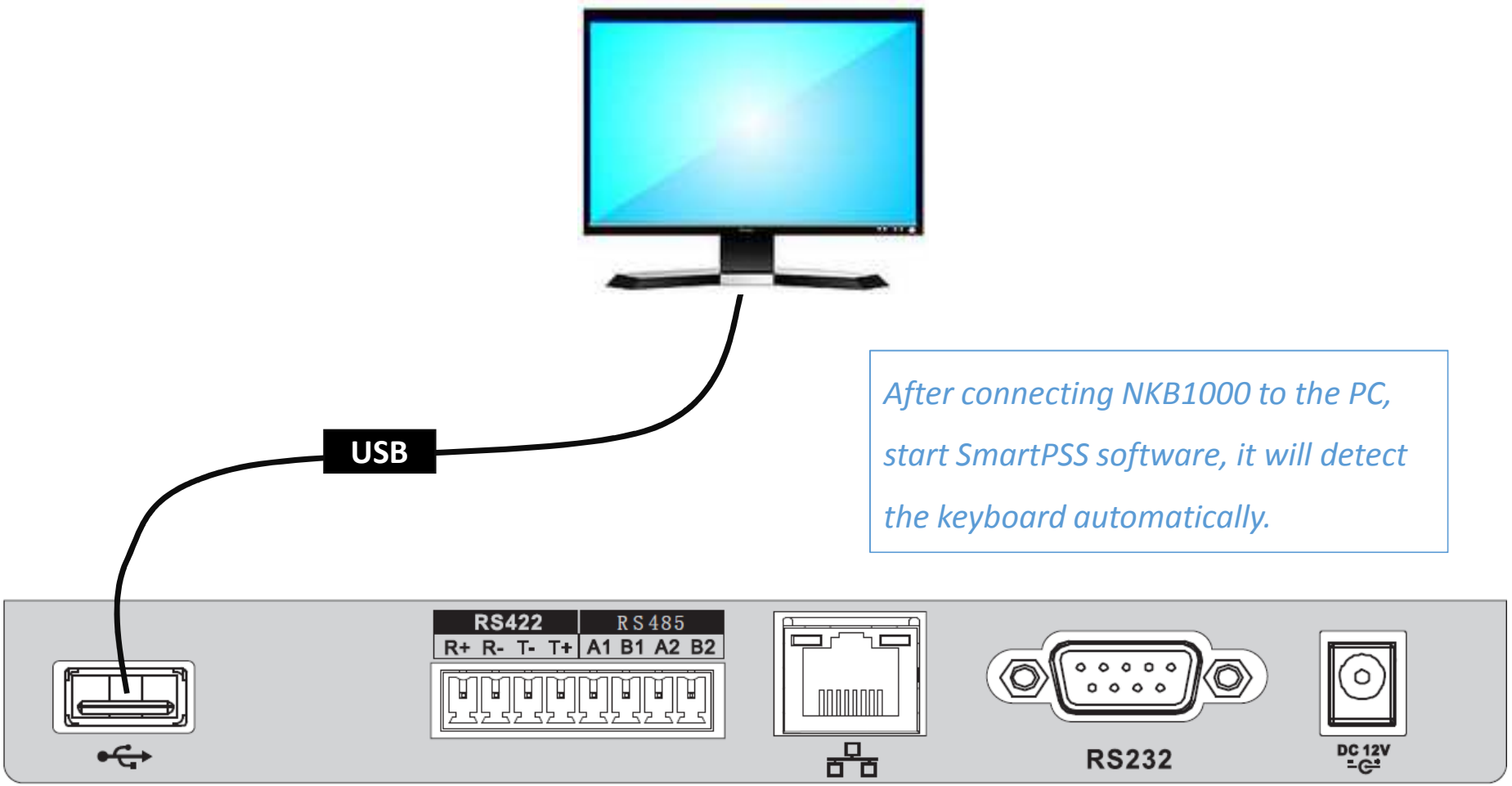
Operation

For more specific operations on DVR/NVR, please refer to the user's manual of NKB1000/KBD1000/KB1000.

Commonly Used Operations

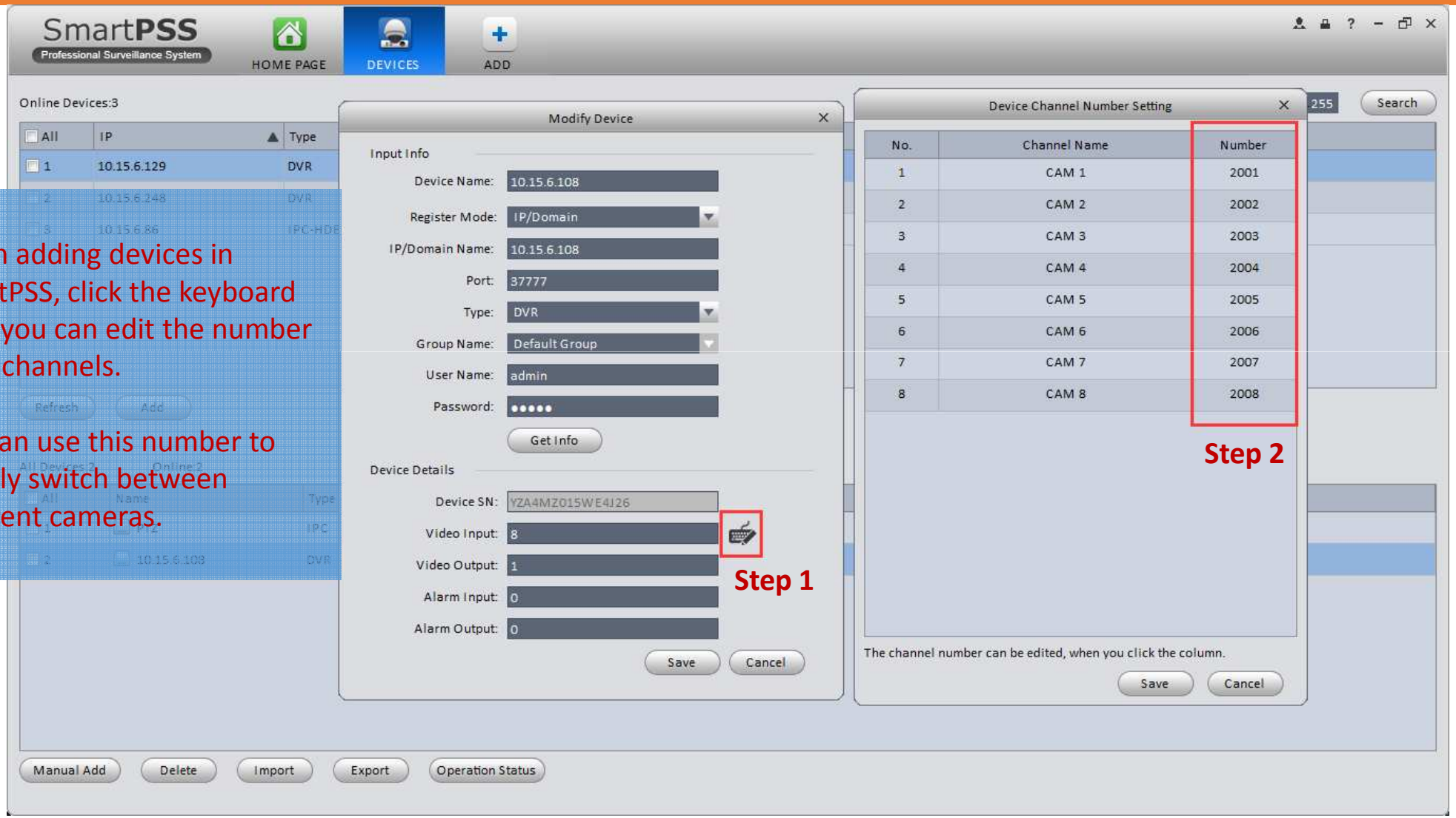
Control SmartPSS

Controlling SmartPSS via USB



After connecting NKB1000 to the PC, start SmartPSS software, it will detect the keyboard automatically.

Controlling SmartPSS via USB



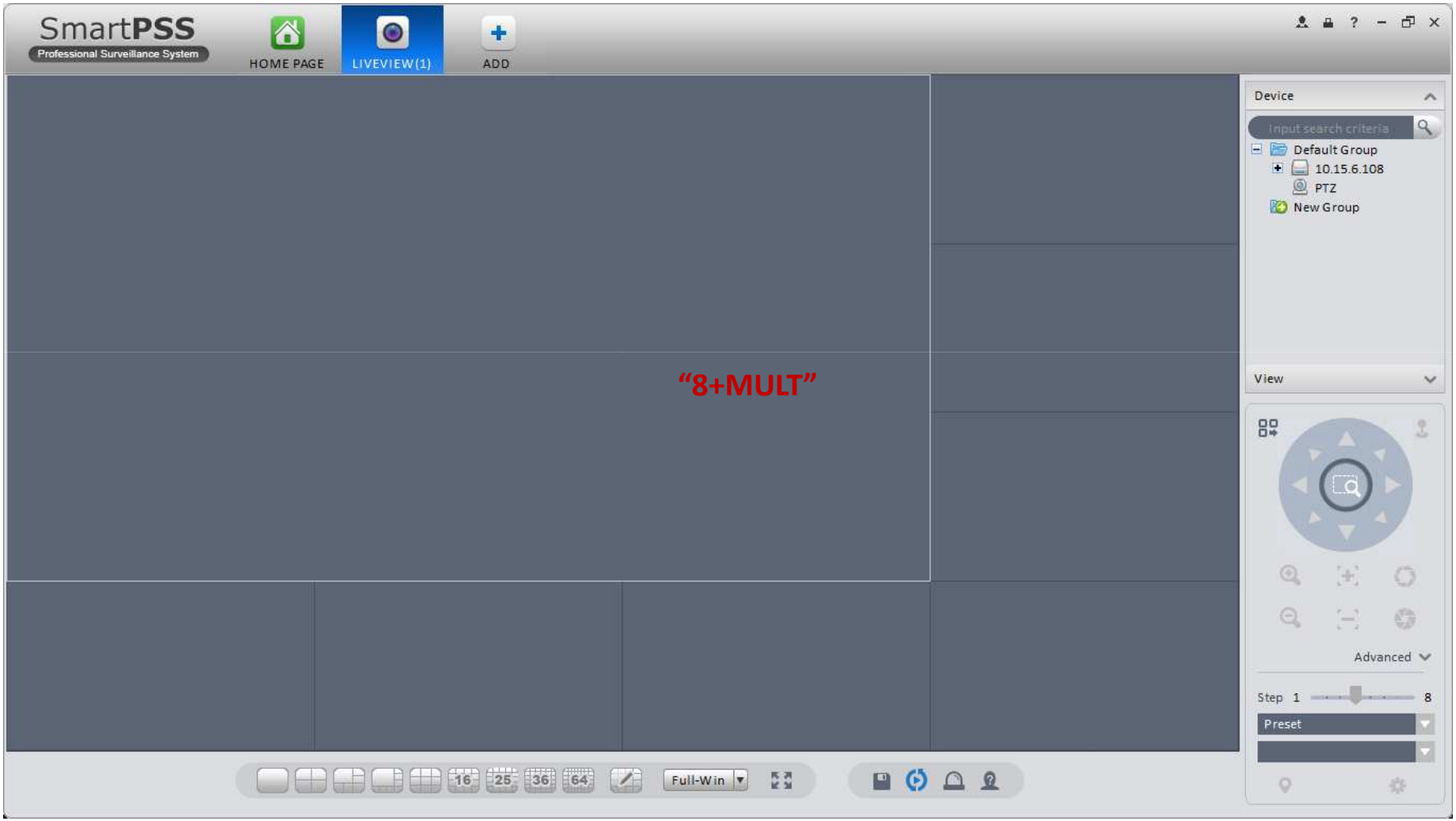
When adding devices in SmartPSS, click the keyboard icon, you can edit the number of all channels.

You can use this number to quickly switch between different cameras.

Controlling SmartPSS via USB - Preview

NUM + MULT: choose specific screen layout, e.g., 8 + MULT choose 8 split display.

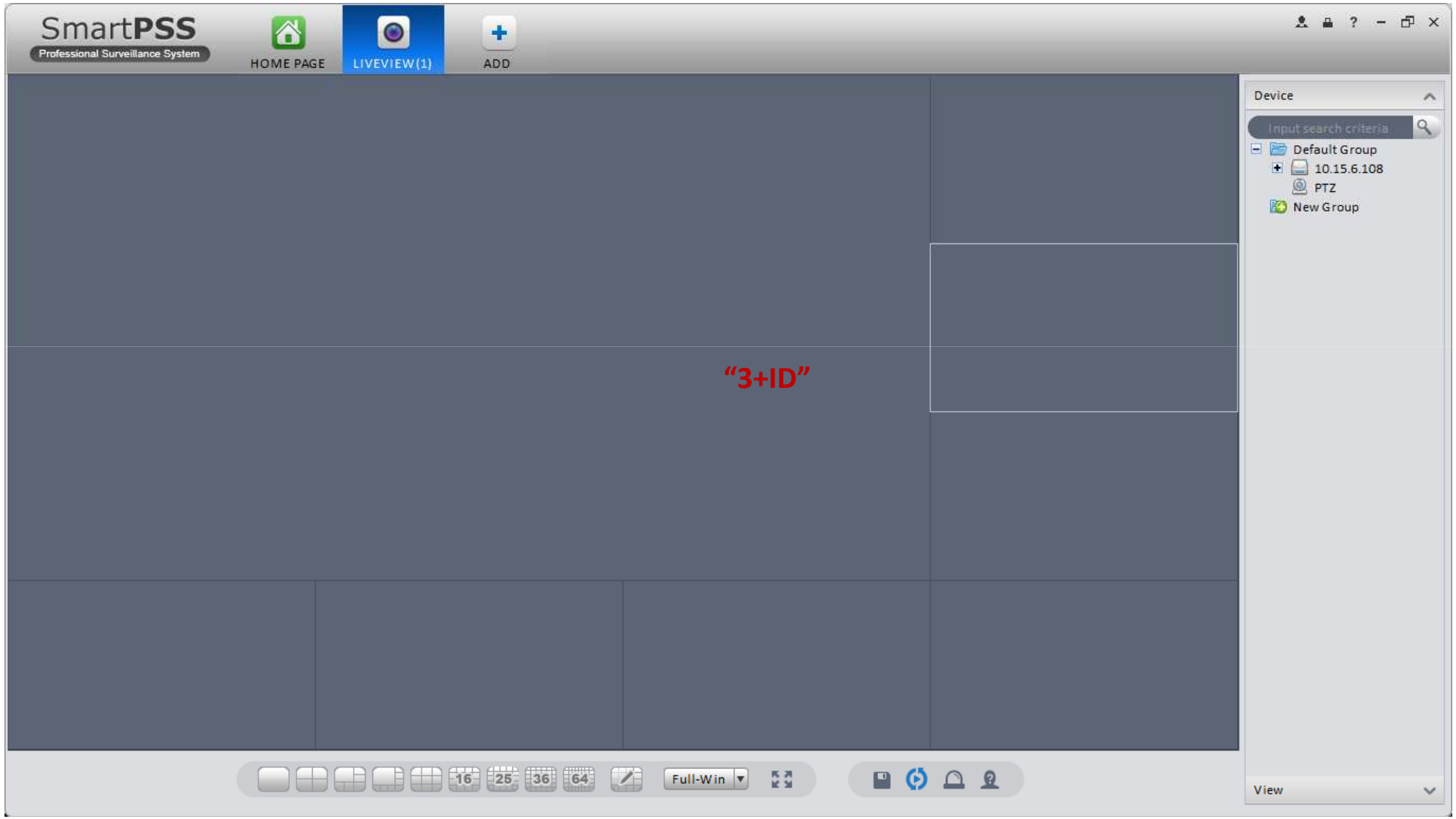
Controlling SmartPSS via USB - Preview



Controlling SmartPSS via USB - Preview

NUM + ID: choose specific window, e.g., 3 + ID choose the 3rd window. You can also use the joystick to choose a window.

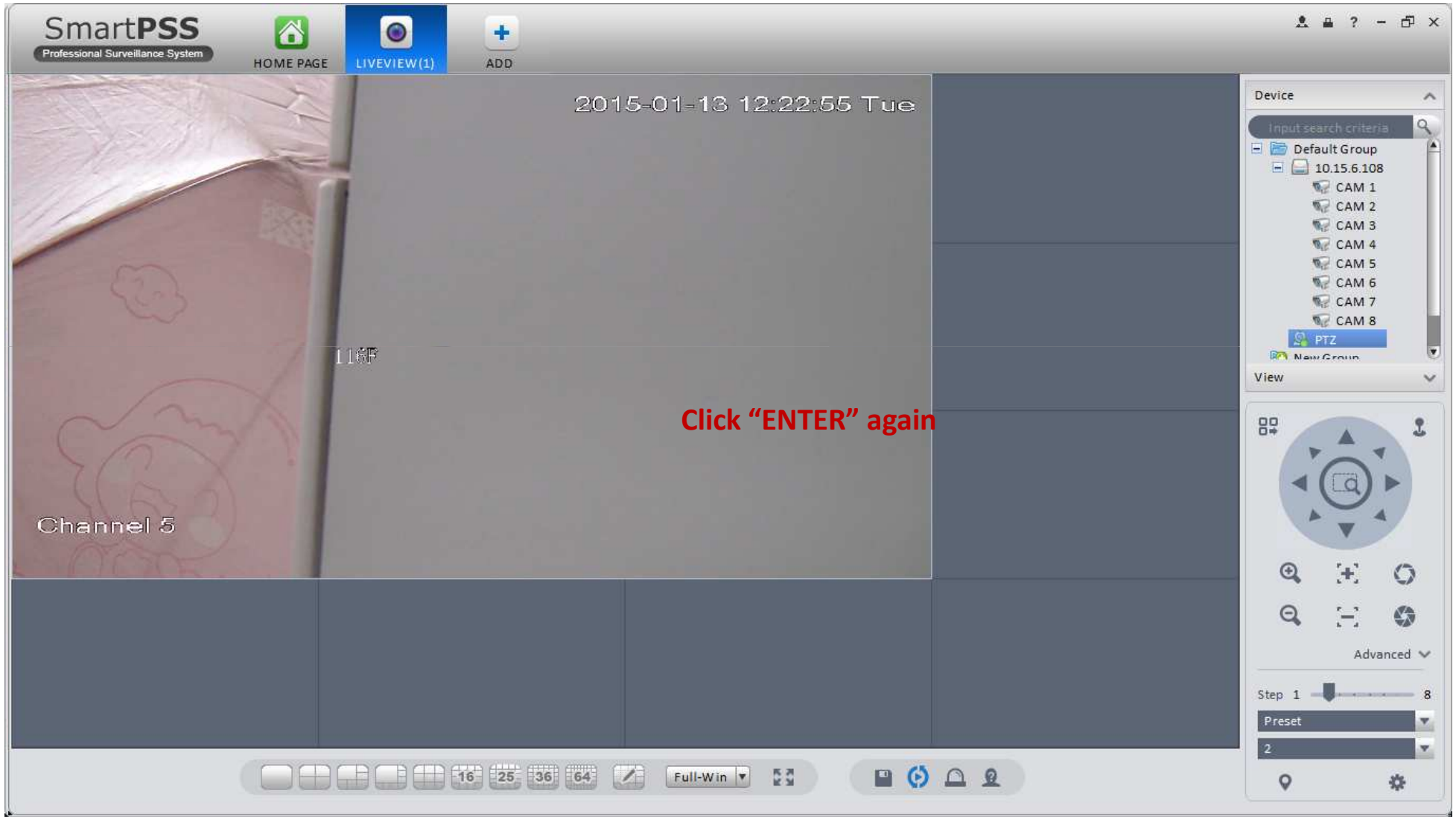
Controlling SmartPSS via USB - Preview



Controlling SmartPSS via USB - Preview

NUM + CAM: choose specific camera to display in current selected window.
ENTER: switch current window between full screen and current display mode.

Controlling SmartPSS via USB - Preview



Controlling SmartPSS via USB - Preview

PTZ: if current window is displaying video from a PTZ camera, use this key to enter PTZ control for it.

Controlling SmartPSS via USB - Preview

OTHER: Speed dome OSD menu
PRESET: Set/call preset
SCAN: Set/call scan
PAN: Call pan
TOUR: Set/call tour
PATTERN: Set/call pattern

Pan/Tilt/Zoom

IRIS: control the aperture
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