

AVR **SERIES**

Instruction Guide

POS Integrations Setup



How do POS machines connect to our NVRs?

There are three main points for POS machine docking with NVR: IP address, port, and protocol. To setup a POS machine with a NVR, follow the simple diagram below:

POS HARDWARE CONNECTION





First, to introduce the **Hercules SETUP simulation software(H-SET)**, it can be used as a Server or Client; the **H-SET** software can be dock with NVR or POS machine. From this, we can utilize the H-SET software as a POS machine to connect with the NVR in the following steps:

Hercules SETUP simulation software download link: xxxxxxxxx

😵 Hercules SETUP utility by HW-group.com	– ø ×
UDP Setup Serial TCP Client TCP Server UDP Test Mode About	
Received/Sent data	- 108
Connecting to 192 (85.54.68) Connecting to 192 (85.54.68) UNDERTUDIEGUES (8.54.68) UNDERTUDIEGUES (8.56.68) UNDERTUDIEGUES (8.56.68) UNDERTUDIEGUES (8.56.68) UNDERTUDIEGUES (8.56.68) UNDERTUDIEGUES (8.56.6	IDP Part Module IP Fait 192 158 54 58 \$305 Ping X Disconnect IEA anthonation TEA key 10103334 3 (560A0BC) 2 (5060708 4 (500E 6F10) Authorization code
2. also can as Server 1. Hercules SETUP simulation software as Client	
Send јукратури укруми кату и 3456782/08 МОГОНИК 45578//06 НС VB	PortStore test NVT disable Received test data
Гно Гно	Send Hercules SETUP utility

- 1. Use H-SET as POS machine to connect with our XVR and understand the process:
 - 1-1 Input the XVR's IP address and port into the **H-SET**

Ether	net Port 1	Online	XVR
	IPv4 Address	192.168.54.68	
	IPv4 Subnet Mask	255.255.255.0	
	IPv4 Gateway	192.168.54.1	
	IPv4 DHCP Status	Disable	
//	IPv6 Address		
//	IPv6 Mask Length	0	
	IPv6 Gateway		
Novid	IPv6 DHCP Status	Failure	
	MAC Address	00:18:AE:00:5D:1E	
//	Preferred DNS	8.8.8	
//	Alternate DNS		
	Preferred IPV6 DNS		
	Alternate IPV6 DNS		
	PPPoE Status	Disable	
	Port		
	HTTP Port	6708	
	HTTPS Port	443	
		6709	
No	RTSP Port	664	
	POS Port	0030	
	Total Bandwidth	BOKID	
P	OS simulation software		
		R-SE	12/2/
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1-2 Input the PC's IP address into NVR's POS Setting:

🔅 System			Live Display	/	Camera Record	AI / Event	Disk Network	Account and Authority	System	×
Basic Settings	General Settings	Date and T	ime Output S	ettings	POS Settings	PoE Power Mana	gement Recorder	OSD Settings		
General Settings	POS	Enable	Connection	~	Connection Settings	Protocol 🗸	Display Settings	Trigger Camera	Manufacturers	\sim
Output Settings	POS1							Configure		
PoE Power Management	POS2	OFF	 TCP Listen 		Configure	Generic 🗸	Configure		OPTIMA	
X Maintenance	POS3	OFF	TCP Listen		Configure	Generic 🗸	Configure	Configure	OPTIMA	
View Log Factory Default	POS4	OFF	TCP Listen		Configure	Generic 🗸	Configure		OPTIMA	
Upgrade	POS5		Cor	nec	tion Settings		Configure	Configure	OPTIMA	
Backup and Restore Auto Maintenance	POS6						Configure		OPTIMA	
Auto Mainte lance	POS7		POS IP				Configure	Configure	OPTIMA	
Information	POS8		DPOS Port				Configure		OPTIMA	
Alarm Status Record Status	When th port is n Client, th	e NVR is ot require e POS po	used as a s ad; If the NV rt is required	serve /R is I.	ok. er, the POS used as a	Cancel			Арріу	

1-3 Send it , the information of the **H-SET** will be displayed on the NVR preview interface:



1-4 **H-SET** software is a general industry software for docking with POS machine. There is no problem in using this software as a POS client side to connect with AVYCON's NVR as a server, which supports the TCP protocol.

1-5 This works when the **H-SET** is used as the server of the POS machine and AVYCON's NVR used as the client side. The test method is opposite to the previous step.

\sim	Connection	~	Connection Settings	2345622345677889003445566777sadfahimnaikii 23456223445677889003445566777sadfahimnaikii 23456223445877889003
~	TCP Listen	*	Configure	23456223445677889093445566777sadfahimnaiki 23456223445677889093445566777sadfahimnaiki 23456223445677889093445566777sadfahimnaiki 23456234562734587289093445566777sadfahimnaiki
~	TCP Listen	~	Configure	2435022344 55778574587778ad(lohimindik) 23450223445877883445567778ad(lohimindik) 234502234458778894633455687778ad(lohimindik) 23650234458778894633455867778ad(lohimindik)
~	TCP Listen	~	Configure	23969223445677889063445588777840101immalkii 234562234456778890634455887778401001im 234562234456778890634455887778401001im06ft 234962234456778890634455887778401001im06ft
~	TCP Listen	~	Configure	A second the second
~	TCP Listen	~	Configure	no problem
~	TCP Listen	~	Configure	Provide the data for the second
~	TCP Listen	\sim	Configure	
~	TCP Listen	~	Configure	as Server side

In the steps above, the **H-SET** is used as a POS machine **client or server** to connect with our NVR's **server or client**.

2. Next, please use the H-SET as NVR to connect with your POS machine:

2-1 To setup H-SET as Server and POS machine as Client, first input the IP address of the PC where the H-SET is located on the POS machine and input the POS machine's port to the H-SET software:



Then you will see the below POS information , which gets passed by the H-SET Software:



1) If there is any problem with connecting the H-SET with your physical POS machine, it means that your POS protocol is not common using this method, and you'll need to check with your POS protocol;

2) If there is any problems with the H-SET connecting with AVYCON's NVR, please make sure to upgrade our NVR's firmware to the latest version.

3) If your POS machine works with the H-SET software, the setup is completed. This means that our NVR will be compatible with your POS machine, and you can directly use your POS machine to verify the compatibility of our NVR. If you have any questions, you can send feedback to us and we will troubleshoot or upgrade the NVR.

- **3.** The final step is to physically connect the POS machine with the NVR:
 - 3-1 POS machine TCP port \rightarrow Ethernet Switch \rightarrow NVR:



3-2 If your POS machine has a RS232 or RS485 port, you need to buy an RS232 to TCP converter, and the setup should be: RS232/RS485 \rightarrow TCP \rightarrow Ethernet Switch \rightarrow XVR:



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phone: 949-752-7606 email: info@avycon.com social: @avycon_aivo website: avycon.com