## 1 Basic operations of NVR troubleshooting

## 1.1 How to connect to NVR with secureCRT software via SSH

Ive View
Playback
Picture
Configuration

Local
Security Service

System
Enable SSH

System Settings

Maintenance

Security

Camera Management

User Management

Enable the SSH service on NVR website.

1. Open secureCRT software, click here

🝙 serial-cor	n3 (1) -	not conn	ected - Sec	ureCRT		_
File Edit	View	Options	Transfer	Script	Tools	Window
a 🕄 🔉	<b>\$3 X</b>	) 🖪 🛍	#	3 🛃	<b>7</b> 🕉	10

2. Input the NVR IP

		ст. т. н. не н. н	
	Quick Connect		×
	Protocol:	SSH2 V	
	Hostname:	192.168.200.41	
	Port:	22 Firewall: None	$\sim$
	Username:	root	
	Authentication	1	
)	Password PublicKey Keyboard GSSAPI	Interactive	
) )	Show quick o	onnect on startup Save session	
1		Connect Can	cel

 Click "connect", a dialog box will pop up and select "Accept Forever." Name: root

Password: NVR's password

At this point, the connection can be established.

## 1.2 How to set secureCRT software record printing automaticly.

1. First connect serial port or SSH with secureCRT software. As shown in the figure below, right click in the red box and enter the option at the red line.



 Set up a folder CRTLOG on the desktop, select the path of this folder in the red box below, and fill it out completely according to the interface below, then click OK. log-%S-%Y-%M-%D.log [%Y%M%D\_%h:%m:%s] [%h:%m:%s]

Session Options - serial-co	om3			X
Category: Connection Connections Serial Terminal Cemulation Modes Emacs Mapped Keys Advanced Connections Mapped Keys Advanced Printing X/Y/Zmodem	Log File Log file name C:\Users\luxudon Options Prompt for filer Start log upon Raw log Start new log a Start new log a Custom log data Upon connect: Upon disconnect: Upon disconnect: On each line: Log only custor Log file name and %H - hostname %S - session	g\Desktop\CRTLOG name () connect () at midnight (must us [%Y%M%D_%h:% [%h:%m:%s] n data custom log data su %M - 2-digit %D - 2-digit day	\log-%S-%Y-%M-%D.log Overwrite file Append to file % %D in log file name) %m:%s] bstitutions %h - 2-digit hour See Help for more	
			ОК	ancel

3. Click on the red box in the figure below to generate automatically recorded and printed files under the specified directory.



4. Check the CRTLOG file on the desktop, and there is an additional file inside, as shown in the following figure, which shows that the setting was successful.

CRTLOG			▼ 4 搜
文件(F) 编辑(E) 查看(V)	工具(T) 帮助(H)		
组织▼ 包含到库中▼	共享 ▼ 新建文件夹		
🚖 收藏夹	名称	修改日期	类型
▶ 下载	log-serial-com3-2017-09-07.log	2017/9/7 21:40	Text Document
■ 卓面			

5. At this time, any print you make in secureCRT will be recorded in this file.

## $1.\ 3$ How to enter debugging mode

- 1、 Connect the equipment with serial port line or SSH secureCRT software.
- 2、Enter the zhimakaimen command (or debug command) and a ciphertext will be output.

#	zhimakaimen	
Bg	AAAGTbi5IuqIu4Bg8=	
Pa	issword:	

- 3、 Ask for HQ of the Secret Key
- 4、 Copy the secret key and enter it into secureCRT. If successful, the change at the red line in the figure below will appear.

[root@dvrdvs /]	# route						
Kernel IP routi	ng table						
Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
default	10.16.113.254	0.0.0.0	UG	9	0	0	eth1
10.16.113.0		255.255.255.0	U	0	0	0	eth1
192.168.254.0		255.255.255.0	U	0	0	0	eth0
[root@dvrdvs /]	# Send HEARTBEA	T_CMD ok.					

Note: The I series starts from version 4.1.50, and the zhimakaimen command is changed to debug command. The following figure:

# zhima	ıkaimen				
<b>'</b> zhimak	aimen'	Not	Supported,	Try	'help'
# debug	1				
BgAAAGT	bi5Iuq]	Cu4Bo	g8=		
Passwor	d: Send	HE/	ARTBEAT_CMD	ok.	