



# NVR

## Quick Start Guide

*Please read the Quick Start Guide fully before using the product and keep it for your records. Related tools and documents of products, please download from <http://www.spyclopsusa.com>.*



# Statement

Thank you for purchasing our products, if you have any questions about setup or product use, please contact support. This manual is used for NVR's.

## Safety Precautions

1. Please modify default password immediately after the equipment is installed, to avoid unauthorized access.
2. Please do not place and install the equipment in direct sunlight or near heating equipment.
3. Please do not install the equipment in wet, dusty or locations with smoke.
4. Please keep the NVR installed level and secured to prevent the product from falling.
5. Do not drop or splash liquid onto the NVR and ensure that no liquid-filled items are placed on the device to prevent liquid from leaking into the device.
6. Please install the equipment in a well-ventilated area and do not block the vents of the equipment.
7. Please use the equipment within rated input/output range only.
8. Please do not disassemble the equipment without notifying supplier.
9. Please transport, use and store the equipment in climate controlled environment with regulated humidity and temperature.

## About

This manual is used as a guide. Pictures, charts, images and all other information provided are for description and explanation only. This manual's product descriptions and illustrations may vary from the actual products purchased.

Due to future product software upgrades or other design changes, Metra may update this manual. Please visit the company's official website for the latest version ([www.spyclopsusa.com](http://www.spyclopsusa.com)).

# NVR Quick Installation Guide

This NVR is convenient can be easily installed, plug and play and no complex setup needed.

## Installation Preparation

Install NVR hard drive. Make sure all power is disconnected before installing. Installation tools: Phillips screwdriver

**(Please use surveillance grade hard disk drive only to avoid poor drive performance)**

(1) Unscrew the screws on the back and sides of the chassis and remove the cover.



(2) Connect one end of the hard disk power cable and SATA data cable to the motherboard and the other end to the hard disk.



(3) Align the hard disk screw holes to the chassis backplane, and then tighten the screws.



(4) Install the cover and re-attach with screws.



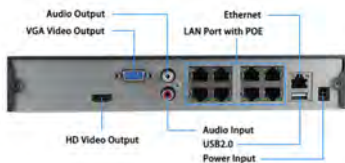
**Note: Images for instruction use only, your unit may look different but use the same methods**

# Interface Description

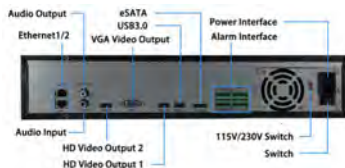
# NVR Illustration

| Icon                                                                              | Name             |
|-----------------------------------------------------------------------------------|------------------|
|  | DC Power Input   |
|  | AC Power Input   |
|  | Power switch     |
|  | VGA              |
|  | HDMI             |
|  | Ethernet WAN/LAN |
|  | USB              |
| A-IN                                                                              | Audio Input      |
| A-OUT                                                                             | Audio Output     |
| Alarm-IN                                                                          | Alarm In         |
| Alarm-OUT                                                                         | Alarm Out        |
| RS485                                                                             | RS485            |
| RS232                                                                             | RS232            |

PoE NVR rear panel



Non-PoE NVR rear panel



NVR rear panel interface is similar with pictures above, but the product appearance, including buttons, interfaces and layout are for reference only and may differ from the product you have purchased.

## Local Basic Operation

### Boot Up

Make sure the input voltage matches the NVR consumption. Connect the device to the monitor and to the power adapter (if available). Plug in the power, switch on the power button (if available), then the device will boot up.

#### NOTE:

1. It is recommended that you use only the included power supply.
2. You should reset the device administrator password (the system default username is "admin" and the password is "12345") when booting for the first time. To ensure the security of the device, please save the admin login password and modify it regularly.

## Modify Password

Step 1: After the device is powered on, select the system language, click "Apply", enter the password, click "Login", click "Modify".

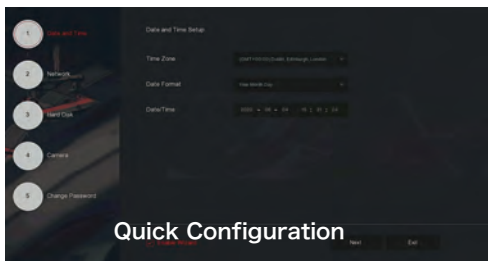
Step 2: Enter the new password and confirm password, tick off the "Unlock Pattern" to draw twice the consistent unlock pattern consisting of 4-9 points.

Step 3: Set the security question, select the security question 1, 2, 3 by the pull-down operation, and set the answer to the corresponding security question.

Step 4: Insert the USB flash drive into the device, and click "Export Key > Confirm > Save". The password is changed.

## Quick Configuration

After the device is powered on, the user can configure the system time, network configuration, format hard disk, channel addition and other parameters of the device through the Wizard.



### NOTE:

The hard disk must be formatted when installing it for the first time.

## Network Configuration

Network parameters must be properly configured before operating the device over the network.

Step 1: On the preview interface, right-click to enter the menu, and click "TCP/IP".

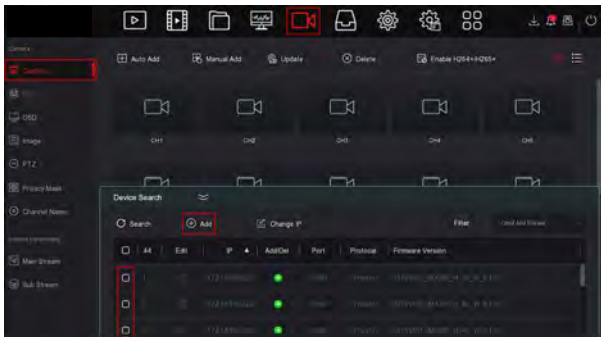
Step 2: Modify the IP address of the device according to the actual network plan. (The default IP address of the NVR is 192.168.1.88).



## Add IP Device

Before accessing the IP channel, make sure that the NVR network connection is correct and valid. Step 1: On the preview interface, right-click to enter the menu, and click "RTSP".

Step 2: Add IP camera automatically or manually. Automatically added, click "Auto add" button. Manually added, click "Search", the Device Search interface automatically searches for the devices in the LAN with the "Onvif And Private" protocol (if using our IP camera, recommend selecting "Private"), select the IP device to be added, and click " Add".



## Recording Configuration

**NOTE:**

NVR opens all channels for 24 hours of normal recording by default.

Step 1: On the preview interface, right-click to enter the menu, and click "🔍".

Step 2: Select the channel and recording type according to the actual needs. Hold down the left mouse button and drag the mouse in the time period diagram or click "Edit" to set the recording schedule, and click "Apply" to save.



# Playback

## Instant playback

Step 1: On the preview interface, click the preview channel, the control bar will pop up below the channel.

Step 2: Click  to enter the instant playback interface, can play the first 5 minutes of the current channel video.

## Video playback

Step 1: On the preview interface, right-click to enter the menu, and click .

Step 2: Select "Channel > Date", the searched video is displayed on the time progress bar, click  to start playing the video.

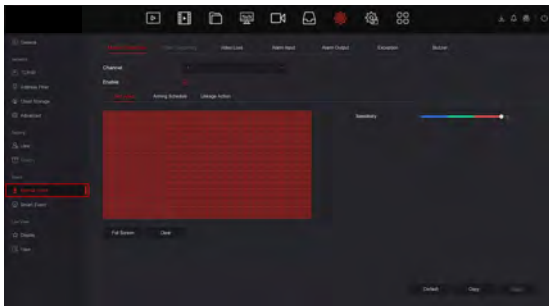


Note: Images for instruction use only, your unit may look different but use the same methods

## Normal Event

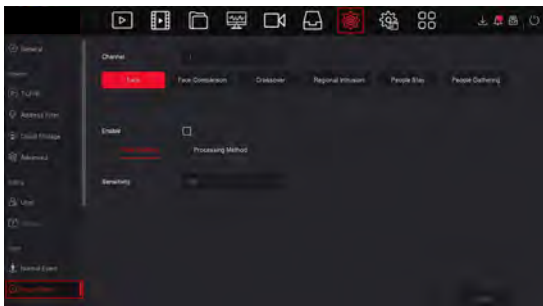
Step 1: On the preview interface, right-click to enter the menu, and click "  > Normal Event" to enter the Motion detection interface.

Step 2: Choose "Event Type > Channel > Enable" and set the corresponding alarm parameters. The device's normal event alarms include Motion Detection, Video Tampering, Video Loss, Alarm Input, Alarm Output, Exception, and Buzzer.



## Smart Event

Step 1: On the preview interface, right-click to enter the menu, and click "  " Smart Event" to enter the Smart Event-Face interface.



Step 2: Select the smart event alarm mode for setting the channel. Smart event alarms supported by the device include Human, Face, Face Comparison. Each smart detection can be configured with different alarm processing rules.

### NOTE:

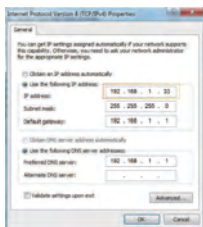
1. Only IPC channels that support smart functions such as face detection and face comparison can set smart event function on this interface.
2. Each channel of a smart event can set up to 1 face detection rule, 4 crossover detection rules, 4 regional intrusion rules, 4 people stay detection rules, and 4 people gathering rules.

**Note:** Images for instruction use only, your unit may look different but use the same methods

# Browser NVR Login

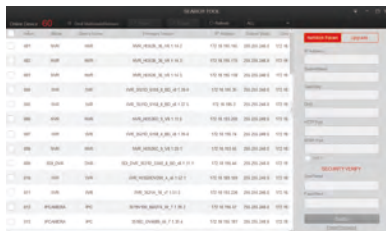
## 1. Login to NVR on LAN (PC & NVR connected to same router LAN)

1. Make sure the NVR and the connected PC (computer) are in the same segment. If not, please set IP address of your PC to the same segment as the XVR's, for example '192.168.1.33', but it must be different IP as the XVR's. (Note: NVR default IP address is 192.168.1.88).
2. Open IE (Internet Explorer) browser, Select Tools > Internet Options > Safety > customized.
3. Open "Search Tool", double-click the target device from the search result to enter the login interface, or open the IE browser to enter the NVR address: such as http://192.168.1.88/ (If port 80 of the NVR is changed, you need to add the changed port) to enter the login interface.
4. On login interface, login to NVR (Notes: Default user: "admin", password: "12345").
5. Web page live view for NVR. On "Live Video" interface, click "Play" icon to play video.



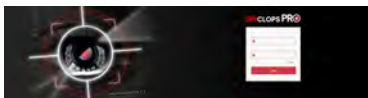
1

(Search Tool)



3

First connection will need to download and install



4



5-1



5-2

# Mobile App Access

Download and install SpyclopsPRO on a smart phone or tablet using either option below:

1. On the Android App Store or iPhone App Store enter "SpyclopsPro" search, download and install.
2. Scan the following QR codes to download and install the App.

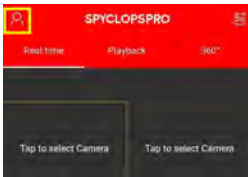


Android

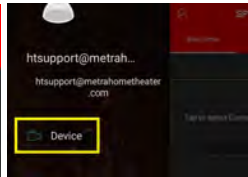


iOS

Run the SpyclopsPRO App (new users need to register an account to log in first). The steps to add devices are as follows: To add with LAN Search method follow steps 1 - 9.2 and for QR scan replace 5.1 - 7.1 with 5.2 - 6.2.



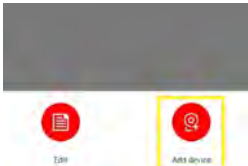
1



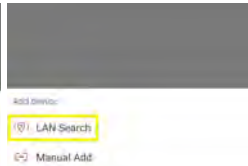
2



3



4



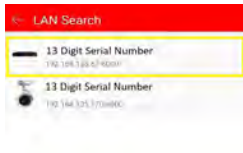
5.1



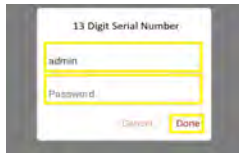
6.1



7.1



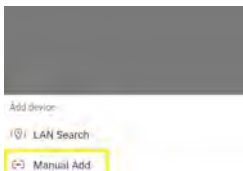
8.1



9.1



9.2



5.2

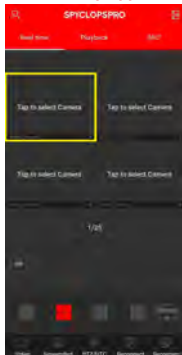


6.2

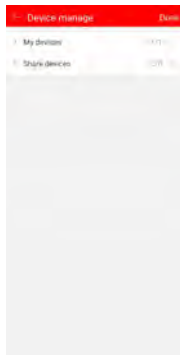
1. Tap  in the upper left menu
2. Tap "Device";
3. Tap  in the upper right menu bar;
4. Tap "Add device"
- 5.1 Tap LAN Search menu
- 6.1 Tap LAN Search button 7.1

- 8.1 Tap the device you would like to add
- 9.1 Enter the username and password and tap Done.
- 9.2 Enter your choice of Device name, select the group you would like to add to and tap "Finish" in the upper right. The device will now be found in "My Devices"
- 5.2 Tap "Manual Add"
- 6.2 Enter Serial Number manually (Or tap scan icon in upper right and scan SN QR code on label), Your choice of Device name, Username, Password and Tap Save.

## How to setup app for live



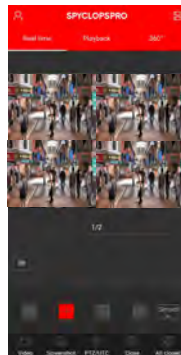
1



2



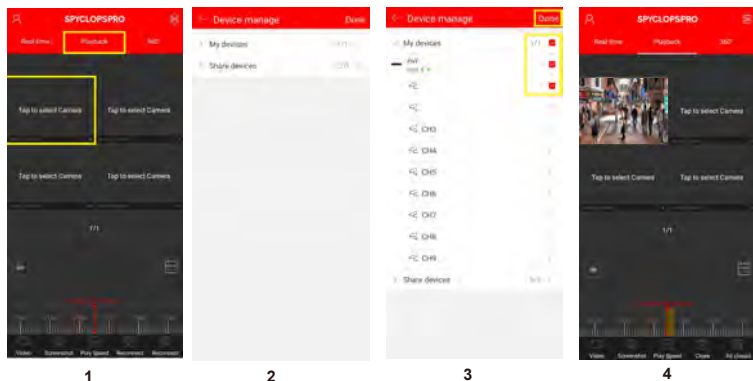
3



4

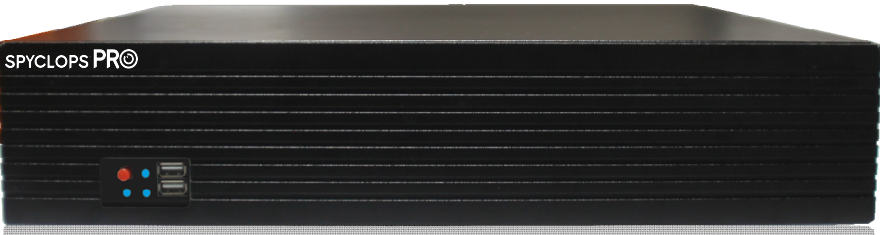
1. Tap "Tap to select Camera"
2. Tap "My devices"
3. Tap the check box for the NVR/XVR to add all cameras or tap individual cameras and tap "Done"
4. Enjoy your live view cameras!

## How to playback recorded videos with app



1. Tap "Tap to select Camera"
  2. Tap "My devices"
  3. Tap the check box for the camera to view recorded videos and tap "Done"
  4. Swipe left or right on the time line to change the recording time view.
- Note: Green bars are recording from schedule and Red is from motion detection.

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386-255-0234 • [www.spyclopsusa.com](http://www.spyclopsusa.com)



| SPECIFICATIONS             |                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model NO.                  | SPYP-NVR64                                                                                                                                                                                                                                     |
| System                     |                                                                                                                                                                                                                                                |
| Main Processor             | ARM Cortex A17 Quad-core Processor                                                                                                                                                                                                             |
| Operating System           | Embedded LINUX                                                                                                                                                                                                                                 |
| Video                      |                                                                                                                                                                                                                                                |
| Input                      | 64CH(4000×3000, 3840×2160, 2592×1944, 2048×1536, 1920×1080, 1280×960, 1280×720, etc)                                                                                                                                                           |
| Output                     | 1 VGA, 2 HD                                                                                                                                                                                                                                    |
| Audio                      |                                                                                                                                                                                                                                                |
| Input                      | 1 Port RCA                                                                                                                                                                                                                                     |
| Output                     | 1 Port RCA(Linear, 1kΩ)                                                                                                                                                                                                                        |
| Audio Bit Rate             | 64kbps                                                                                                                                                                                                                                         |
| Audio Compression standard | G711u, G711a, ADPCM_DVI4                                                                                                                                                                                                                       |
| Alarm                      |                                                                                                                                                                                                                                                |
| Sensor Input               | 16                                                                                                                                                                                                                                             |
| Output                     | 4                                                                                                                                                                                                                                              |
| Motion Detection           | 64 Channel, MD Zones: 396 (22 × 18)                                                                                                                                                                                                            |
| Trigger Events             | Recording, Email, FTP, Snapshot, Buzzer and Screen Tips, alarm output                                                                                                                                                                          |
| Display                    |                                                                                                                                                                                                                                                |
| HD Output1                 | 4K (3840 × 2160)/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz                                                                                                                                                                     |
| HD Output2                 | 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz                                                                                                                                                                                            |
| VGA                        | 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz                                                                                                                                                                                            |
| Display Split              | 64CHxD1/36CHxD1/25CHxD1/16CHxD1/9CHxD1/4CHxD1/1CHx1080P/1CHx3MP/1CHx4MP/1CHx5MP/1CHx4k/1CHx12MP                                                                                                                                                |
| Digital Zoom               | YES                                                                                                                                                                                                                                            |
| OSD                        | Camera Title, Time, Recording, Motion Detection, Event Alarm                                                                                                                                                                                   |
| Recording                  |                                                                                                                                                                                                                                                |
| Video Compression          | H265/H264/H265+/H264+                                                                                                                                                                                                                          |
| Resolution                 | 12MP(4000×3000),4k(3840×2160),5MP(2592×1944),4MP(2688×1520/2560×1440),3MP(2048×1536),1080P(1920×1080),960P(1280×960),720P(1280×720),D1 (720×576/720×480)                                                                                       |
| Record Rate                | PAL:12MP@29×25fp,4k@35×25fp,5MP@58×25fp,4MP@64x25fp,3MP@64×25fp,1080P@64×25fp, 960P@64×25fp,720P@64×25fp, D1@64×25fp<br>NTSC:12MP@29×30fp,4k@35×30fp,5MP@58×30fp,4MP@64×30fp,3MP@64×30fp,1080P@64×30fp, 960P@64×30fp, 720P@64×30fp, D1@64×30fp |
| Record Mode                | Manual\Timer\Motion Detection\Alarm Input\Smart Alarm                                                                                                                                                                                          |
| Playback & Backup          |                                                                                                                                                                                                                                                |
| Local Sync Playback        | 3CH 12MP@15fps, 4CH 4K@30fps, 6CH 5MP@30fps, 8CH 4MP@30fps, 10CH 3M@30fps, 16CH 1080P@30fps, 16CH 960P@30fps, 16CH 720P@30fps                                                                                                                  |
| Decode Capability          | 4CH 4K(3840×2160)@30fps                                                                                                                                                                                                                        |
| Remote Sync Playback       | YES                                                                                                                                                                                                                                            |
| Search Mode                | ALL, Channel, Manual, Time, Date, Motion Detection,Event Alarm                                                                                                                                                                                 |
| Playback Functions         | Play, Pause, Stop, Rewind, Fast play, Slow Play, Full Screen, Frame Play ,Frame Rewind, Digital Zoom                                                                                                                                           |
| Backup Mode                | USB Device/Network                                                                                                                                                                                                                             |
| Network                    |                                                                                                                                                                                                                                                |
| Interface                  | 2 RJ-45 10/100/1000Mbps self-adaptive Ethernet interfaces                                                                                                                                                                                      |
| Incoming Bandwidth         | 300MB                                                                                                                                                                                                                                          |
| Network Functions          | TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTSP, RTCP, p2p                                                                                                                                                                           |
| Onvif Version              | Support Onvif 2.8                                                                                                                                                                                                                              |
| Web Browser                | IE8-11, Google Chrome (lower than Ver44), Firefox (lower than Ver53)                                                                                                                                                                           |
| CMS Software               | Support Windows 7/ Windows 8/Windows 10/MAC OS                                                                                                                                                                                                 |
| Cloud Support(P2P)         | Yes: SPYCLOPS PRO APP                                                                                                                                                                                                                          |
| Smart Phone                | iPhone, iPad, Android, Android Pad                                                                                                                                                                                                             |
| POE                        | /                                                                                                                                                                                                                                              |
| WIFI                       | /                                                                                                                                                                                                                                              |
| Storage                    |                                                                                                                                                                                                                                                |
| Interface Type             | 8 SATA Hard Disk Interface (3.5" SATA)                                                                                                                                                                                                         |
| Capacity                   | Up to 48TB capacity                                                                                                                                                                                                                            |
| eSATA                      | 1 eSATA interface                                                                                                                                                                                                                              |
| General                    |                                                                                                                                                                                                                                                |
| Language                   | English, French, Spanish                                                                                                                                                                                                                       |
| USB Interface              | 2 USB 2.0 Interfaces ,1 USB 3.0 Interface                                                                                                                                                                                                      |
| RS485                      | 2 Port                                                                                                                                                                                                                                         |
| Power Supply               | AC 115 to230V,3A                                                                                                                                                                                                                               |
| Working Environment        | -10~55℃/10~90%                                                                                                                                                                                                                                 |
| Dimension(W×D×H)           | 2U, 440mm×450mm×95mm                                                                                                                                                                                                                           |
| Weight                     | 9.8Kg（without HDD）                                                                                                                                                                                                                             |



# 64 CHANNEL 4K NVR

# SPYCLOPS PRO

CELEBRATING  
**70**  
YEARS  
OF INNOVATION



## SPYP-NVR64 64 CHANNEL 4K NVR



**SALES** 386-255-0234



Free App for  
Remote Viewing

### PRODUCT OVERVIEW

Record video surveillance in resolutions up to 12MP for each channel with the Spyclops PRO 64-channel NVR. This Network Video Recorder supports H.265 & H.265+ for maximum video storage efficiency with (8) HDD bays that support up to 6TB each for a total capacity of 48TB. The NVR has VGA and HDMI® outputs. Connect to view and play back from any iOS or Android mobile device or Windows PC. Compatible with Spyclops cameras.

### NVR SPECIFICATIONS:

- (2) LAN ports for direct network connection
- (2) USB 2.0 & (1) USB 3.0 ports for mouse & backup
- Up to 12MP recording resolution: 12MP@25CHx30fp, 4k@30CHx30fp, 5MP@36CHx30fp, 4MP@36CHx30fp, 3MP@36CHx30fp, 1080P@36CHx30fp, 960P@36CHx30fp, 720P@36CHx30fp, D1@36x30fp
- Playback Resolution: 3CH 12MP@15fps, 4CH 4K@30fps, 6CH 5MP@30fps, 8CH 4MP@30fps, 10CH 3M@30fps, 16CH 1080P@30fps, 16CH 960P@30fps, 16CH 720P@30fps
- Playback functions: Play, Pause, Stop, Rewind, Fast play, Slow Play, Full Screen, Frame Play, Frame Rewind, Digital Zoom
- Record modes: Manual\Timer\Motion Detection\Alarm Input\Smart Alarm
- (1) VGA and (1) HDMI® outputs
- Free remote viewing app for Android and iOS
- (8) SATA ports & (1) eSATA port - supports up to 48TB capacity
- Alarm 16 channels in and 4 channel out that can trigger recording, email, FTP, Snapshot or Buzzer
- Supports H.264, H.264+, H.265 & H.265+ for maximum video storage
- ONVIF Version support: 2.8
- Includes power cable, USB mouse & quick start guide

**NOTE:** Hard drive not included. Surveillance grade hard drives available separately.  
1TB SPY-SG1TB, 2TB SPY-SG2TB, 4TB, SPYSG4TB, 6TB SPY-SG6TB & 8TB SPY-SG8TB

