

SPY-DVR4HYB2 & SPY-DVR4HYB2ND SPY-DVR8HYB2 & SPY-DVR8HYB2ND

Instructions

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Congratulations on purchasing the SpyClops H.264 DVR Security System

System Specifications:

- Multi-camera digital video recorder which includes motion detection, key buzzer alarm, e-mail and area masking
- The DVR uses state of the art H.264 video compression technology to maximize your recording time and optimize your video quality. H.264 compression saves hard drive space and supports faster data transfer.
- Data stored in the DVR can easily and quickly be backed up via a USB drive
- Up to 4 or 8 camera capacity so upgrading your system in the future will be easy and trouble free
- Apple and Android supported app so you can view your video feed from anywhere remotely
- An embedded Linux operating system provides you with stability and excellent network capabilities
- Upgraded DVR Hard Drive specifically designed for CCTV use
- 2 USB ports in back
- Ideal for residential and commercial installations

Your System Includes:

- 4 or 8 channel H.264 networkable DVR
- Pre-installed DVR Hard Drive (SPY-DVR4HYB2ND & SPY-DVR8HYB2ND Hard Drive NOT included)
- Power adapter
- USB mouse
- DVR remote

SPY-DVR4HYB2 SPY-DVR4HYB2ND



SPY-DVR8HYB2 SPY-DVR8HYB2ND



*Note: Remove the equipment from its packaging and place it on a clean, flat surface. Inspect each item. If any visible damage is present, contact your supplier please verify your order is complete

MAKING THE CONNECTIONS: SPY-DVR4HYB2



- 1. BNC video in from cameras
- 2. HDMI output
- 3. RCA audio IN and OUT
- 4. VGA output to monitor
- 5. RJ45 Ethernet port

- 6. Mouse/USB backup
- 7. RS485 port for PTZ camera control
- 8. DC 12V adapter port
- 9. ON/OFF power switch

MAKING THE CONNECTIONS: SPY-DVR8HYB2



- 1. BNC video in from cameras
 - 2. HDMI output
 - 3. RCA audio IN and OUT
 - 4. VGA output to monitor
 - 5. RJ45 Ethernet port
 - 6. Mouse/USB backup
- 7. RS485 port for PTZ camera control
 - 8. DC 12V adapter port
 - 9. ON/OFF power switch

1.0 INTRODUCTION

1.1 Main Menu Introduction

Right click the mouse and you will find the main menu (it can also be accessed by pressing the "**MENU**" key). The main menu consists of the following components:



- Split Screen
- System Setup
- Video Playback
- Video Backup
- Color adjust
- Channel Mode
- Video Manage
- PTZ control
- Manual record
- Volume
- Setup Wizard
- Exit System

2.0 Split Screen

x1 View

- When choosing 'x1 View', user may choose one camera to view in full screen mode x4 View or x8 View (SPY-DVR8HYB2)
- When choosing 'x4 View or x8 View', user can view all 4 or 8 camera's simultaneously
- In x4 or x8 View, user can double click any camera to view in full screen mode. Double click to return to all camera view



3.0 SYSTEM SETUP

3.1 General Set-up

- **Auto Logout:** When enabled, the DVR will automatically logoff the present user if there is 10 minutes without operation. They will need to login again to operate the device
- **Key buzzer**: **"Enable"** will activate a beep when the DVR buttons are pushed. **"Disable"** will prevent beeps from sounding when the buttons are pushed
- Language: You can select one of many different languages
- **Standard: "NTSC"** is the standard for North America and will need to be selected for a clear picture.
- Key Pad Type: This option is used to set up the key pad to Standard, 16, 18 or 23 keys
- Remote ID: Fixed
- Boot Wizard: Check Box for ON or OFF
- Show ESEE ID When Preview: Check Box for ON or OFF
- Show Time When Preview: Check Box for ON or OFF

HODVR	General vetup	S) Channel Setup	Record setup	Network setup	System Admin
ionerali setup	Auto Logout	Disable			
The state of the state of the	Key buzzer	Enable		2	
Tame Settap	Language	English		N	
HDD Setup	Standard	NISC		8	
Hold detap	KeyPad Type	Standar	d		
Screen setup	Remote ID	255			
	Boot Wizard		Enable		
	Show ESEE ID	When Preview	Enable	Positio	n
	Show Time W	en Preview	Enable		
			Apply	Ok	Cancel

3.2 Time Setup

- Date Format: Change date display layout
- System Date: Change date
- System Time: Change DVR's time
- Time Format: Change between 12 hour time or 24 hour time

HODVR	General setup	Channel Setup	Record setup	Network setup	System Admin
General setup	Date format	MM/DD/	YYYY		
Time Setup	System Date	2015/1	2/14		
	System Time	22 :45	:17		
HDD Setup		Positi	on		
Screen setup	Time Format	0 12h	● 2·6h		
			Apply	Ok	Cancel



- DVR comes formatted
- To delete the hard drive data, right click with your mouse and select "Setup" then left click to select "System Tools" then select "HDD management". Check "V" the Overwrite box and the format box of the HDD you want to format then click the "Format" checkbox "V" click "Format", click "Yes" to start.
- Auto delete old files Choose custom to set up auto delete at the number of days that you require. *Note: This is helpful in saving Hard Disk space.

HDDVR	enera Genera		Record s	etup Net	twork setup	System Admin
General setup	Hard	disk list			⊠ ov	rerwrite
Time Setup	ID	Model	Capacity	Used	Status	Format
HDD Setup	1	WDC WD10PURX-788	931 GB	274 GH	Formatted	
anno Serrit	2					
Screen setup	3					
	4					
	Auto Disa	delete old files ble 🔽 30	days ago			ormat
			Αρρίγ		Ok	Cancel

3.4 Screen Setup

- OSD Alpha: User can make GUI more or less transparent
- VGA Resolution: Change resolution to 1024 x 768, 1280 x 1024, 1366 x 768, 1440 x 900, 1080p
 @ 50Hz or 1080p @ 60Hz
- Auto Switch: This function allows user to have camera view switch every few seconds to your desire

HDDVR	🤹 🛊 General setup 🔘	hannel Setup	Record setup	Network setup	System Admin
ieneral setup Time Setup	OSD Alpha	0 00			
HDD Setup	VGA resolution Auto Switch	5 seconds		TV Adjust nable ∎Skip	loss

3.0 CHANNEL SETUP



• Channel: This will select camera for setup

Main Stream

• Bitrate mode: This will be dependent on your bandwidth and specific needs

Bitrate Quality Highest M Quality Highest M Framerate 12 fps M	HDDVR	General setup	Solution Setup	Record	and the second second second	k setup Syste	em Admin
Encode format 1080P Encode format CIF Encode format Video detection Limited rate 3Mbps Encode format CIF Encode format Bitrate Quality Highest Encode format CIF Encode format			1	×		Video only	
Video detection Limited rate 3Mbps M Limited rate 256kbps M Bitrate Quality Highest M Quality Highest M Framerate FullFrame M Framerate 12 fps M	Channel OSD						
Framerate FullFrame M Framerate 12 fps M	Video detection						
	Bitrate	Quality	Highest	V	Quality	Highest	M
		Framerate Copy to	FullFrame		Framerate	12 fpe	×
				Ap	oly Ol	¢ c	ancel

	-
	This is the default encoding mode, and
	also the most basic. In this mode, the
	bitrate will be the same for the whole file.
Constant Bitrate	It means that each part of your video file
constant bitrate	will be using the same number of bits.
	The complex parts will be of a lower
	quality than the easiest ones. The main
	advantage is that the final files size won't
	change and can be accurately predicted.
	This mode is not recommended
	In this mode, you choose a target bitrate
	and the encoder will try to constantly
	maintain an average bitrate while using
Average Bitrate	higher bitrates for the parts of your video
Average bitrate	that need more bits. The result will be of
	higher quality than CBR encoding while
	the average file size will remain
	predictable, so this mode is highly
	recommended over CBR.
	In this mode, you choose the desired
	quality on a scale going from 9 (lowest
	quality/highest distortion) to 0 (highest
Variable Bitrate	quality/lowest distortion). Then you
Valiable billate	choose the optimal number of bits to
	spend for each part. The advantage is that
	you are able to specify the quality level
	that you want to reach; the inconvenient
	is that the final file size is totally
	unpredictable.

• Encode format: For the main stream we recommend NTSC with 960H format

	QCIF	CIF	HD1	WCIF	D1	960H	720P	1080P- H	1080P
NTCC	176 x	360 x	352 x	480 x	720 x	960 x	1280 x	960 x	1920 x
NTSC	120	240	480	240	480	480	720	1080	1080
DAL	176 x	360 x	352 x	480 x	720 x	960 x	1280 x	960 x	1920 x
PAL	144	288	576	288	576	576	720	1080	1080

- **Rate:** In general, we recommend a bitrate of around 2 2.5 Mbps, which takes into account the average worldwide broadband connections for video output
- Quality: You can adjust your image quality fluctuation. Highest, High, Medium, Low, Lowest. Highest is recommended, although it will affect your bandwidth
- Frame rate: The frame rate is how many unique consecutive images are displayed per second in the video to give the illusion of movement. Keep in mind, that the minimum limit that our brain needs to perceive moving frames as a video is 24 Frames per Second, so there is no big difference between 24 and 30 fps except the higher frame rate will affect your bandwidth and data storage
- **960H** is a step up from D1 resolution. D1 produces a lower quality image and stretches the image, while **960H** is a higher quality image with no image distortion.

HDDVR	General setup	lsannel Setup	Recon	🧃 🛜	ksetup Syst	em Admin
Encode setup	Channel Main stream	1		Encode mode Sub stream	Video only	•
Channel OSD	Bitrate mode Encode format	Variable 1080P	v	Bitrate mode Encode format	Variable CIF	8
Video detection Bitrate	Limited rate Quality	CIF HD1 D1	10	Limited rate Quality	256kbps Highest	•
	Framerate	WCIF 960H		Framerate	12 fpa	×
	Copy to	720P 10802-8 10809				

- Encode Format: QCIF, CIF, HD1, D1, WCIF, 960H, 720P,1080P-H, 1080P
- Limited Rate: 2Mbps, 64kbps, 128kbps, 256kbps, 384kbps, 512kbps, 768kbps, 1Mbps, 1.5Mbps, 2Mbps, 3Mbps and 4Mbps

RESOLUTION	SCREEN SIZE
1024 x 768	1000 x 600
1280 x 1024	1180 x 850
1366 x 768	
1440 x 900	
1920 x 1080p 50Hz/60Hz	Most standard televisions

- Quality: Highest, High, Medium, Low and Lowest
- Framerate: 1 fps 25 fps, Full Frame
- Encode Mode: Video Only or AV Stream

Sub Stream

- Bitrate Mode: Variable, Constant or Average
- Encode Format: QCIF or CIF
- Quality: Highest, High, Medium, Low and Lowest
- Framerate: 1 fps 12 fps
- Copy To: This button allows user to copy settings to 1-4 or 8 cameras or all cameras



*Note: To control the PTZ, You must connect the wires to the RS-485 port on the back of the DVR



- **Channel:** Choose which camera view you want to work with.
- **Protocol:** Choose the **"protocol"** required for your device. Both protocols require an additional **RS-485** data cable.
- **Device ID:** Assign an ID number to each channel (camera view).
- **Baud rate:** We suggest using a **"baud rate"** no higher than 9600 to avoid errors. Please refer to your cameras specifications for the **baud rate** that is best for your device.
- Tour position list: This is where you set up each camera "tour". First, highlight the line in which you want to add your preset, then click the box with the question mark. Use this box to position the camera to the desired view, then click store. You then need to assign how you want each position to hold by selecting "keep time". If you change a preset, simply click "update" after you are done reconfiguring. To delete a preset, highlight the tour you want to delete and click "remove".
- Copy To: User can copy settings to one or all cameras

HDOVR	General setup	Channel Setup	Record se	stup Netwo	aa rk setup – Sys	tem Admin
Encode setup	Channel	1		Protocal	Pelco D	×
PTZ setup	Device ID	1		Baudrate	2400	R
Channel OSD	Tour position	list				
	0/32	Prese	t.	Ke	ep time	
Video detection						-
Bitrate						
		-				
	₹ <u>1</u> /1	> Preset	1 7	Keep time	00:00	05 B
			Add	Upda	te Rem	ove
	Copy to					
			Apply)k	Cancel



- Channel: Allows user to select what camera to color adjust
- Camera Title: Allows user to custom name cameras
- Color Adjust: Allows user to change Hue, Brightness, Saturation and Contrast

HOOVR	General setup	Channel Setup	Record setup	Network setup	System Admin
Encode setup					
PTZ setup	Channel Camera Title	1 CAM1		Color adjust	
Channel OSO					
Video detection					
Bitrate					
			Apply	Ok	Cancel



- Channel: User can choose channel
- Sensitivity: User can choose Highest, High, Medium, Lo or Lowest
- Detection: User can choose Motion, Video Loss or Video Cover
- Alarm Duration: User can choose 1-5, 8, 10 seconds or Continues
- Area Edit: With this button, user can customize where in the cameras view detection will take place
- Copy To: User can copy all video detection edits to one or all cameras

* In this section, user can choose how to be notified if any of the above takes place by checking Alarm, Buzzer, Email Notice or FTP Upload.

		😥 rel Setup Record setup	Network setup	System Admin
Encode setup	Channel		×	
PTZ setup	Sensitivity	High	×	
Channel OSD	Detection	Motion		
Video detection	Alarm duration	5 seconds Area edit		
Bitrate		Alarm		
		Buzzer		
		E-Mail Notice		
	Copy to	FTP Upload		
		Apply	Ok	Cancel

3.9 Bitrate

• Allows user to view bitrate in progress

HODVR	General setu		so mel Setup	Record setup	Network	setup S	ystem Admin
Encode setup	Channel	Kb/s	MB/H		Channel	¥b/s	HE/II
PTZ setup	Ch 1 Ch 3 Ch 5	25 65 56	7 18 15		Ch 2 Ch 4 Ch 6	67 65 50	19 18 14
Channel OSD	Ch 7	0	0		Ch 8	0	0
/ideo detection							
200 sta							
K itrate							
Nitrate							
Virate							
N itrate							





- Channel: User can choose camera channel
- Schedule 1-4 or 1-8: User can schedule how many hours and minutes in a day the user would like the DVR to record based on what box is checked
 - Time: Sets DVR to record for set time
 - Motion: Sets DVR to record when motion is detected by camera
 - Sensor: Does not apply
- Week Day: User can choose one day a week or all week
- Copy To: User can copy all record setup edits to one or all cameras

* Video recording will be displayed by color.

- Time = Red
- Motion = Green
- Sensor = Does not apply

HDDVR	General setup	S) Channel Se	etup Re	cold setup	Networ	A setup	System Admin
Record Plan	Channel		×	We	ekday	Moniday	
Sensor setup	Schedule 1	00:00 -	23 :59	Time	⊠ Me	ition	Sensor
	Schedule2	00 :00 -	23 :59				
	Schedule3	00 :00 -	23 :59				
	Schedule4	00 :00 -	23 :59		•		
	0.	4	1	12	16	20	24
		Time		fotion	Sensor		312
	Copy to	All	M				
				Apply	-0	a	Cancel

Sensor Setup (Does not apply)



3.11 Network Setup

- DHCP: Check box when user needs an IP address
- **ESEE(P2P):** Keep box checked when user wants to view the DVR system through a mobile device
- **IP address:** This is the unique address assigned to your DVR and will be used locally (within your network) in a web browser to view your DVR recording. This is also the address you will use if you need to port forward (for assistance with port forwarding, you can go to portforward.com for instruction according to your router model).

*Note: you will need to allow Active X to install on your browser to view remotely

- **Gateway:** This will be your router address.
- MAC address: The physical address of the DVR.
- Preferred DNS: This is the address for routing web access. Not to be confused with DDNS.
- Web port: This will need to be updated to the new port number if port forwarding is done through another port besides 80.
- Show QR Code: This button will populate a QR code to scan with mobile device to have access to the Spyclops® app

HDDVR	General setup Char	nel Setup Record		
etwork setup	COHCP			
DONS	ESee(P2P)	505204231	(OFFLINE)	Show QR Code
FTF	IP address	192.168.100.	170	
	Subnet mask	255.255.255.		
PPPoE	Gateway	192.168.100.	1	
30	MAC address	0005-FE3A-9	1692	
	Preferred DNS	8. 8. 8.		
R:Mail	Web port	80		
	This IP can be used			
		App	ly Ok	Cancel



Note: This option is for remote DVR access using a customized URL that you choose. The two main sites that are supported are noip.com and dyndns.com. Each one has their own pros/cons so it is suggested to research both to find the one that you prefer.

• This option will work with Dyndns, Changeip and No-ip

HODVR	General setup	lannel Setup	Record setup	Network setup	System Admin
etwork setup	DDNS Function	Enable			
DDNS	DDNS provider	Dyndna			
TTP	URL	test.dyndni	r. org		
PPPoE	Username	test			
30	Password				
K-Mail		Test	Reset	AL	
			Apply	Ok	Cancel



- This service is for uploading an image to a FTP account.
- Once Motion is triggered, and image will be uploaded. ('NOT' provided through Spyclops)

Network setup FTP Function Enable DDNS FTP Server 21 Port 21 Tap Anonymous Enable 30 Password 30 Remote Folder File Max Size 30 Schedule Set	FTP Function Enable DONS FTP Server Port 21 Image: Server 21 Image:	HDDVR	General setup Ch	annel Setup Record setup	Network setup	System Admin
PPPoE Username	PPPoE Username 30 Password Bemote Folder / B-Mail File Max Size 30 MB Schedule Set			Enable		
30 Password Bemote Folder / B-Mail File Max Size 30 MB	30 Password Remote Folder / File Max Size 30 KB Schedule Set		Anonymous En			
E-Mail File Max Size 30 KB	E-Hall File Max Size 30 KB Schedule Set		Password	,		
	Test	E-Mail	File Max Size	30	j.	MB



• This info must be obtained by Internet Service Provider.

HDDVR	General setup Ch	annel Setup Record so	etup – Network setup	System Admin
twork setup	PPPoE Function	Enable		
DONS	Usemame	pppoe12345667	890	
FTP	Password		···· Dis	play
PPPok				
30	PPPoE Status:	Disable		
	PPPoR IP:			
X-Mail				
		Apply	Ok	Cancel



٠

This service is NOT applicable for both DVR's.

	General setup Chan	nel Setup Record setup	Network setup	System Admin
etwork setup	3G Module	Enable		
DDNS	Service Provider	USER CUSTOM	×	
717	Dial-Number			
PPPoE	APN			
50	PIN			
ad	Username			
R-Mail	Password			
	3G Status:	3G Module Not Found		
	3G IP:			



- E-Mail Function: Select to enable email options.
- **SMTP Server:** Do a search for your email provider's SMTP server

(ex: plus.smtp.mail.yahoo.com) and enter the full address here.

- **Port:** Enter the port number that is returned from your SMTP server search (ex. Yahoo = 465).
- Username: Your email username (full email address).
- **Password:** Your email password.
- **Encryption Type:** This information can also be found in your email providers SMTP search.
- Sender, sendee 1, sendee 2: "Sender" will be your email address and "Sendee" will be the email you want the email to go to.
- **Subject:** What you want your emails subject line to be.
- Interval: Select this option if you want an automatic email sent periodically with screenshots in seconds **Note:* there are 3600 seconds in an hour.
- Click "Test" to test your email settings.

HDDVR	General setup Channe	l Setup Record setup	Network setup	System Admin
etwork setup	E-Mail Function	Enable		
DONS	SMTP Server			
FIF	Port	25		
	Username Password			
PPPoE	Encryption Type	Non.e 🔽		
30	Sender			
	Sendee 1			
g Mail	Sendee 2	741000 05055		
	Subject Interval	DVR Report 5		Second
	Health Mail Interval	30 Minu	te Enable	Test
		Apply	Ok	Cancel





• This page shows user the DVR's system information

		Channel Setup	Record setup	Network setup	System Idmin
ystem version	Device name	DVI			
HDD into	Device model	R5208	-ARD		
System log	Device SN	11590	505204231		
User	H/W version	1.0.0			
	S/W version	2.2.8	.0_424321		
System upgrade	Built time	11/06	/2015 09:49		
Factory setting	Support Web	http:	//www.e-meanet		
	Phone Client	She	w QR Code		

3.18 HDD Info

• This page shows user the HDD information (Hard Drive)

	General sets	p Channel Setup	Record setup	Network set	ap System Admin
System version	Hard disk	list			
HOD Selfie	ID	Model	Capacity	Used	Status
	1	NOC NOIOPUNX-788	931 GB	274 08	Formatted
System log	2				
User	3				
System upgrade					
Factory setting					
	Total size	931.000 CB			
	Used size	274.000 CE	29.48		
	Open area				
	Free size	657.000 GB	70.6%		



- This page allows user to view when certain events took place. By selecting the time and date, user can view:
 - System bootup
 - System shutdown
 - Configuration is changed
 - Record log
 - Alarm log
 - Device Warning
 - All

HDDVR	General setup	Channel Setup	Record	Network setup	System Admin
System version HDD info	Event type From time Till time	System bo 2015/12/ 2015/12/	11 11	0:00 🕱 9:59 🖬	Search
System log User	ID	Log time		Log detail	
System upgrade Factory setting					
	<u>x 1</u> _/	5			
				Ok	Cancel



- In this window, user will be-able to set a password for the DVR and also add users to this DVR
- Add User: Create username and password and select 'Super User' for access to every option or select individual boxes for limited use
- Set Password: User will set DVR's username and password on this page.

Note: On this DVR, old password is 'Blank" (No letters).

HODVR	General se	itup Channel Si	ntup Record setup	Network setup	System Admin
System version	User list				
HDD info	1D	Username	Super user	Add user	
	. 1	adein	Yes		
System log	2		1	Delete user	
	3,			Edituser	
User	- 4		-	C. Caterowead	
	5			Set password	
System upgrade	6		1		
Factory setting	8				
	9		1		
	10		V 2		
	12				



This page will be used to upload 'New Firmware' when available by uploading via flash drive in • the USB port

General setup Channel Setup Record setup Network setup System Admin
Offline Upgrade USB storage 😿 System 🔯
Auto restart after the upgrade Start
If failed,Please Insert usb storage and make sure help.rom exists.
DVR system will be rehabilitated by rebooting about 3 minutes.
Auto Maintenance Disable 🛛 💆 2015/12/14 🗃 02 :00 :00 📾
Schedule 🛛 🖉 Sunday 📓 Monday 📓 Tuesday 📓 Wednesday
🖬 Thursday 🖬 Friday 📑 Saturday
Next Maintenance



3.22 Factory Settings

Within this page, user can choose what he or she wants to restore factory settings •

HDDVR	General setup Char	🧕 😥 nnel Setup 🛛 Record setup	Network setup System Admin
System version HDD info	© ∧II	27 X	
System log	General setup	Screen setup	Sensor setup
User	Channel Mode	Video detection	CHDD management
System upgrade		- Collection Collection	
Factory Setting			
		Apply	Ok Cancel

4.0 VIDEO PLAYBACK

• Within this page, user can choose to playback video from 5 minutes, 10 min, and 30 min. to a manual search where user decides time and date for video playback.

Split screen	
System setup	
Video playback	5 Min.
Video backup	10 Min.
Color adjust	30 Min.
Channel Mode	Manual Search
Video Manage	Manual Search
PTZ control	
Manual record	
Volume	
Setup Wizard	
Exit System	

5.0 VIDEO BACKUP

• Within this page, user can choose which if not all video's to back up on a USB flash drive

			Vide	o backup			
	iel d mode			105106107 ne 100м	tion ties	Sensor	
Search	h time	2015.	/12/14 🔤	00 :00 - 2	3 :59	Sea	rch
ID	Channe	Mode	Begin time	End time	Duration	Size	Select
						-	
							-
	-		1				
	12 11			1			
					N		
≤ 1	/1	2	USB storag	je 🔽	Backup	Can	cel

6.0 COLOR ADJUST

- User can choose Hue, Brightness, Saturation and Contrast to adjust the cameras color.
- Copy To: User can copy color adjustment to one or all of the cameras

Hue			32	Default
Brightness		Þ	28	Bright
Saturation	4		32	Soft
Contrast	<	l l	32	
Copy to			0k	Cancel

7.0 CHANNEL MODE

• Within this page, user can choose how many analog and IP cameras he/she is wanting to use on the DVR. Once set, the DVR will need to be rebooted for DVR to look for specified cameras.

	Ch	annel Mo	de	
Set Channels Mode Analog Channe(A) 6				2 (IPC) Digital Channe
				Add IP Camera
	A	۸	۸	
	× A	۸	A	
	IPC	IPC	-	
		Preview	~	
		. Ú	Ok	Cancel

8.0 VIDEO MANAGE

• Within this page, user can manage all cameras that are being used. User can add cameras, delete cameras as well as manual edit all the IP cameras.

		Video Manage			
Protoca	default	~			
ID	Device name	IP address	Port	Protocal	
1					Refresh
					Add One
-					AutoAdd
	1				
		11 III			
V V	/05				
Added d		2 Remain	ing devic	e: 0	
	levice:	2 Remain IP address	and the second science is presented	e; 0 itatus	
Added d	levice:		and the second science is presented	and Design in the second s	Delete
Added d	levice: I Device name		and the second science is presented	and Design in the second s	Contract of the local division of the
Added d Channe	levice: I Device name Analog Device	IP address	and the second science is presented	tatus	Delete All
Added d Channe 1	levice: I Device name Analog Device Analog Device	IP address	and the second science is presented	tatus 	Delete All Manual Edit
Added d Channe 2 3	levice: I Device name Analog Device Analog Device Analog Device	IP address	and the second science is presented	tatus 	Delete All
Added o Channe 2 3 4	levice: I Device name Analog Device Analog Device Analog Device Analog Device	IP address	and the second science is presented	tatus 	Delete All Manual Edit
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8.0 Exit System:

- Logout: Apply for logged in users. If you want to use the device again you need to log back in.
- System reboot: it will reboot after "OK".
- **Shutdown:** To shut the system down.



6.0 Application Download & Install

- Open Android Play Store or iPhone App Store
- Search for "Spyclops" app
- Download & Install



7.0 Spyclops Application Setup

• Register User Name and Password with APP (optional) or use Trial for single phone use

• Click on icon in upper right and select "Add Device By ID"

• Enter 9 digit ID in Cloud ID, Title for Device in Descriptions, User Name & password of DVR and select "Submit". NOTE: If using Trial method, DVR channel total must be selected prior to selecting "Submit"



8.0 Spyclops Application Functions

- Tap preview grid of desired device
- View Device and select camera view options
- Double tap any single camera for full screen
- Select Stream icon to adjust for SD or HD stream quality
- PTZ control for Pan Tilt Zoom cameras
- Playback Select desired channel and slide to time to search for playback



9.0 TECHNICAL INFORMATION

Technical Parameters

Model	SPY-DVR4HYB2	SPY-DVR8HYB2	DVRs with no HD		
Hard Drive	Western Digital	Western Digital	SPY-DVR4HYB2ND		
	1TB HD	1TB HD	SPY-DVR8HYB2ND		
Operation system	Embedded Linux operation system				
Operation interface	Graphical	user interface (GUI), mous	e, front panel		
Video standard		NTSC and PAL			
Image compression		H.264			
Audio compression		ADPCM			
Recoding mode	Ma	anual, timed or motion det	ection		
Video Search	Time search, event se	earch, channel search, log s	search and sensor search		
Backup		USB backup			
Video input	4 BNC	8 BNC			
Video output		VGA and HDMI OUT			
Audio input	N/A	N/A			
Audio output	N/A	N/A			
Recording quality	D	1 720x480 NTSC 720x57	6 PAL		
	CIF 352x240 NTSC 352x288 PAL				
	960H 960x480 NTSC 960x576 PAL				
	720p: 1280x7	20, 1080p-H: 960x1080, 1	080p: 1920x1080		
Monitoring quality	1024x768, 12	80x1024, 1366x768, 1440	x900, 1920x1080		
Playback quality	In recorded quality				
Motion Detection	Yes				
Image display	1,4	1,4,8			
Video Speed	NTSC: 30 frames /	sec (adjustable) PAL: 25 fra	ames / sec (adjustable)		
Alarm Sensor					
Input/Output					
PTZ		RS485			
Network interface	Self-ada	aptive 10M/100M Etherne	et interface		
USB Interface	Тм	vo USB 2.0 high-speed inte	rfaces		
Power		12v (adapter included)			

For Technical Support Assistance

M-F / 9-6 please call 866.839.9187





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