

SPY-DVR4HYB & SPY-DVR8HYB SPY-DVR4HYB2ND & 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, area masking and alarm sensor support
- 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 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



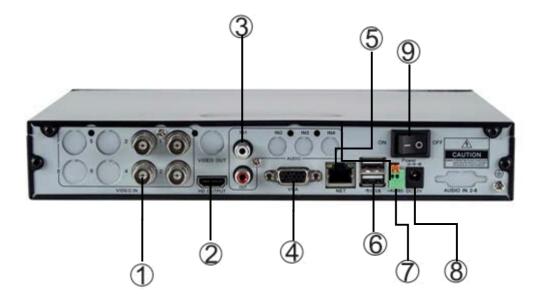


SPY-DVR8HYB SPY-DVR8HYB2ND



*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

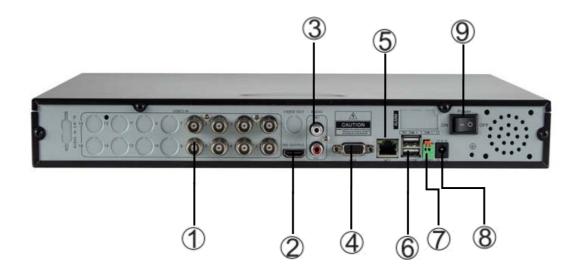
MAKING THE CONNECTIONS: SPY-DVR4HYB



- 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-DVR8HYB

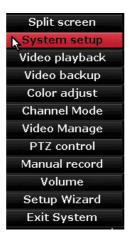


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1.0 INTRODUCTION

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:

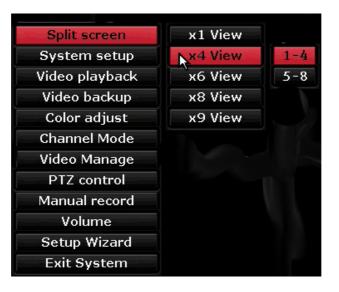


- Split Screen
- System Setup
- Video Playback
- Video Backup
- Color adjust
- Channel Mode
- Video Manage
- PTZ control
- Manual record
- Volume
- Setup Wizard
- Exit System

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-DVR8HYB)
- 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

HDDVR	# **	<u></u>		2	
	General setup	Channel Setup	Record setup	Network setup	System Admin
General setup	Auto Logout	Disable			
	Key buzzer	Enable			
Time Setup	Language	English			
	Standard	NTSC			
HDD Setup	KeyPad Type	Standard	I		
Screen setup	Remote ID	255			
	Boot Wizard Show ESEE ID Show Time Wh		■ Enable ▼ Enable ▼ Enable	Positio	n
			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

General setup Channel Setup Record setup Network setup System Admin ieneral setup Date format MM/DD/YYYY Image: Channel Setup Ima	HDDVR	# **	<u>.</u>	_	2	
Time Setup System Date 2015/12/14 HDD Setup System Time 22 : 45 : 17		General setup	Channel Setup	Record setup	Network setup	System Admin
System Time 22:45:17 HDD Setup Position	General setup	Date format	MM/DD/	YYYY		
HDD Setup Position	Time Setup	System Date	2015/1	2/14		
Position		System Time	22 :45	:17	0	
Screen setup Time Format O 12h O 24h	HDD Setup		Positi	on		
	Screen setup	Time Format	O 12h	_ 24h		



- 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	General s	etup Channel Setur	Record s	etup Net	🔊 work setup	System Admin
eneral setup	Hard di	sk list			⊻ 0v	verwrite
Time Setup	ID	Model	Capacity	Used	Status	Format
	1	WDC WD10PURX-78E	931 GB	274 GB	Formatted	
HDD Setup	2					
Screen setup	3					
	4					
	Auto de Disable	elete old files	days ago		F	ormat
			Apply		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 C	هری hannel Setup	Record setup	Network setup	System Admin
General setup					
Time Setup	OSD Alpha				
HDD Setup	VGA resolution Auto Switch	1080p@60Hz 5 seconds		TV Adjust Enable Skip	loss
Screen setup		O ×1 View	x4 View		
			Apply	Ok	Cancel

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

HDDVR	General setup	, Channel Setup	Record setup	Network set	up System Admin
Encode setup	Channel	1			eo only 🔽
PTZ setup Channel OSD	Main stream Bitrate mode	Variable	Ditra		iable
Video detection	Encode format Limited rate Quality	1080P 3Mbps Highest		ed rate 25	- V 6kbps V hest V
Bitrate	Framerate	FullFrame	Fram		fps V
	Copy to				
			Apply	Ok	Cancel

	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 bitiate	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
NTSC	176 x	360 x	352 x	480 x	720 x	960 x	1280 x	960 x	1920 x
NISC	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 ((Channel Setup	Record	setup Netwo	a ork setup	System Admin
Encode setup PTZ setup	Channel Main stream	1		Encode mode Sub stream	Video o	only 🔽
Channel OSD	Bitrate mode Encode format	Variable 1080P		Bitrate mode Encode forma	Variabl	e V
Video detection Bitrate	Limited rate Quality Framerate	CIF HD1 D1		Limited rate Quality Framerate	256kbp Highest 12 fps	t 🔽
	Copy to	WCIF 960H 720P 1080P-H 1080P	Ţ	Trane ale		3
			Appl	ly	Ok	Cancel

- 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

HDDVR	General setup	ی Channel Setup	Record se	etup Network	setup Sy	stem Admin
Encode setup	Channel	1	V	Protocal	Pelco-D	M
PTZ setup	Device ID	1		Baudrate	2400	
Channel OSD	Tour position	list Prese	F	Keer	o time	
Video detection	0,52					
Bitrate						
	< 1 /1	> Preset	1 ?	Keep time	00:00	:05 0
			Add	Update	Rer	nove
	Copy to					
			Apply	Ok		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

HDDVR	General setup	ی Channel Setup	Record setup	Network setup	System Admin
Encode setup					
PTZ setup	Channel Camera Title	1 CAM1		Color adjust	
Channel OSD					
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.

HDDVR	🤹 🔹 🏅	») 💼	2	A	
	General setup Channe	el Setup Record setup	Network setup	System Admin	
Encode setup					
	Channel				
PTZ setup	Sensitivity	High			
Channel OSD	Detection	Motion			
Giunner 030	Alarm duration	5 seconds			
Video detection		Area edit			
Bitrate					
Diddte		Alarm			
		Buzzer			
		E-Mail Notice			
		FTP Upload			
	Copy to				
		Apply	Ok	Cancel	

3.9 Bitrate

• Allows user to view bitrate in progress

HDDVR	🤹 🛊 General setup	So Channel :	Setup	Record setup	Network se	tup Sys	tem Admin
Encode setup							
PTZ setup	Channel Ch 1 Ch 3 Ch 5	Kb/s 25 65 56	MB/H 7 18 15		Channel Ch 2 Ch 4 Ch 6	Kb/s 67 65 50	MB/H 19 18 14
Channel OSD	Ch 7	0	0		Ch 8	0	0
Video detection							
				Apply	Ok		Cancel





- 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	Setup	Reco d setup	Network setup	System Admin
Record Plan	Channel	1		ekday Monday	
Sensor setup	Schedule1 Schedule2 Schedule3 Schedule4	00 :00 - 23 : 00 :00 - 23 : 00 :00 - 23 : 00 :00 - 23 :	:59	✓ Motion	Sensor
	0	4 8		16 20 Sensor	24
	Copy to	All			
			Apply	Ok	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 Channe) il Setup Record setup	Network setup	System Admin
Network setup	₩DHCP			
DDNS	▼ ESee(P2P)	505204231 (OF	FLINE) Show	v QR Code
FTP	IP address	192.168.100.170		
PPPoE	Subnet mask Gateway	255.255.255.0 192.168.100.1		
3G	MAC address	0005-FE3A-916F		
E-Mail	Preferred DNS Web port	8. 8. 8. 8 80		
		80		
	This IP can be used.			
		Apply	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

HDDVR	General setup C) hannel Setup	Record setup	Network setup	System Admin
Network setup	DDNS Function	Enable			
DDNS	DDNS provider	Dyndns			V
FTP	URL	_test.dyndns	s.org		
PPPoE	Username	test			
	Password	****			
3G E-Mail		Test	Reset	All	
			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)

HDDVR	General setup	Solution States) Setup	Record setup	Network setup	System Admin
Network setup	FTP Function		Enab	le		
DDNS	FTP Server					
FP	Port		21			
	Anonymous	Enable				
PPPoE	Username					
3G	Password					
	Remote Folde	r	/			
E-Mail	File Max Size		30			MB
	Schedule		s	et		
			Τe	st		
				Apply	Ok	Cancel



• This info must be obtained by Internet Service Provider.

HDDVR	<i>2</i> **			2	
	General setup	Channel Setup	Record setup	Network setup	System Admir
twork setup	PPPoE Functio	on 🗖 Ena	bla		
	PPPOE Funcue		DIE		
DDNS	Username	ррро	e12345667890		
FTP	Password	****	******	Dis	play
PPPo					
0.7	PPPoE Status	: Disabl	e		
3G	PPPoE IP:				
E-Mail					
			Apply	Ok	Cancel



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This service is NOT applicable for both DVR's.

HDDVR	General setup	Solution Setup	Record setup	🔊 Network setup	System Admin
Network setup	3G Module	Ena	ble		
DDNS	Service Provid	ler <u>USER</u>	CUSTOM		
FTP	Dial-Number				
PPPoE	APN				
	PIN				
3G	Username				
E-Mail	Password				
	3G Status:	3G Mo	dule Not Found		
	3G IP:				
			Apply	Ok	Cancel



- **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	Setup Record setup	Network setup	System Admin
Network setup	E-Mail Function	Enable	Network Setup	System Aumin
DDNS	SMTP Server Port	25		
FTP	Username			
PPPoE	Password Encryption Type	None 🔽		
3G	Sender			
E-Mail	Sendee 1 Sendee 2			
	Subject	DVR Report		
	Interval	5		Second
	Health Mail Interval	30 Minu	te Enable	Test
		Apply	Ok	Cancel





• This page shows user the DVR's system information

HDDVR	General setup	ာ Channel Setup	Record setup	Network setup	System Admin
System version	Device name	DVR	1.00		
System log	Device model Device SN	R5208 IT590	-AHD 505204231		
User	H/W version S/W version	1.0.0	.0_424321		
System upgrade Factory setting	Built time Support Web		/2015 09:49 //www.e-seenet	t.com	
	Phone Client	Sho	ow QR Code		
				Ok	Cancel

3.18 HDD Info

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

HDDVR	General setup	Softer Setup	Record setup	Network setu	ی Ip System Admi
System version	Hard disk list				
HDD info	ID	Model	Capacity	Used	Status
	1 WI	C WD10PURX-78E	931 GB	274 GB	Formatted
System log	2				
User	3				
	4				
System upgrade					
Factory setting					
	Total size	931.000 GB			
	Used size	274.000 GB	29.4%		
	Free size	657.000 GB	70.6%		
				Ok	Cancel



- 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	စ္တာ Channel Setup	Record		Network setup	System Admin
System version	Event type	System bo				
HDD info	From time	2015/12/:	1 0	00:00	:00 0	
System log	Till time	2015/12/:	17 🖻	23 :59	:59 ©	Search
•	ID	Log time			Log detail	
User						
System upgrade						
Factory setting						
	K 1 /1	Σ				
					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).

HDDVR Image: Second setup Image: Second setup <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th></th<>						
System versionUser listHDD infoIDUsernameSuper user1adminYesAdd userSystem log2Oelete user33Edit userUser4Oelete5SourceSet passwordSystem upgrade6Source7Oelete9Indo10Indo11Indo	HDDVR	* *				Custom Admin
1adminYesAdd userSystem log2Delete user33Edit user35Set password5Set password55567891011	System version		tup Channel Se	ешр кесога ѕешр	Network setup	System Admin
1adminYesAdd userSystem log2Delete user3Edit user4Set password5Set password5567891011	HDD info	ID	Username	Super user		_
Jser 3 4 5 5 6 7 7 8 9 10 11		1	admin		Add user	
3 Control User 4 4 5 5 6 7 6 7 8 9 10 11	System log	2			Delete user	
User 4 Control 5 0 Set password System upgrade 6 0 7 0 0 Factory setting 8 0 9 0 0 10 0 0 11 0 0		3			Edit user	
System upgrade 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	User	4				_
Factory setting 7		5			Set password	
8 9 10 11	System upgrade	6				
9 10 11		7				
10	Factory setting	8				
11		9				
		10				
		12				
					Ok	Cancel



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

Sector Alexandra Sector Sector Sector					
HDDVR	General setup Ch	annel Setup	Record setup	Network setup	System Admin
System version	Offline Upgrade	USB stora			
HDD info		Auto res	tart after the up <u>o</u>	grade	Start
System log					
User					
System upgrade					
oya cin apgrade	If failed,Please Ir	isert usb stor	age and make su	re help.rom exist	:S.
Factory setting	DVR system will l	oe rehabilitate	ed by rebooting a	bout 3 minutes.	
	Auto Maintenance	Disable	2015/1	.2/14 02 :00	0 :00 🖸
	Schedule	Sunday	Monday 🔳 Tu	iesday 🔳 Wedne	sday
		Thursday	Friday Sa	iturday	
	Next Maintenance				
			Apply	Ok	Cancel



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

HDDVR	General setup	ာ Channel Setup	Record setup	Network setup	System Admin
System version	⊠ All				
HDD info	∀ General set	up 🗹 Net	work setup	∀ Sensor setup	
System log	Channel Se	tup 🗹 Scre	een setup	✓PTZ setup	
User	⊻ Record setu	ıp ⊠ Vide	eo detection	✓HDD manager	nent
System upgrade	🗹 Channel Mo	de 🏼 🗹 Digi	tal Channel		
Factory					
			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					
Video Manage	Manual Search				
PTZ control					
Manual record					
Volume					
Setup Wizard					
Exit System	Carl a				

5.0 VIDEO BACKUP

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

	Video backup								
Channe	el	¥ 1 ¥	2 🕶 3 🕶 4 🕻	₫5 ₡6 ₡7	¥ 8 ¥ ali				
Record	l mode	🗹 Manı	ual 🗹 Tim	ne 🇹 Mo	otion 🗹 S	Gensor			
Search	time	2015/	12/14 🔤	00 :00 - 2:	3:59	Sear	-ch		
ID	Channe	Mode	Begin time	End time	Duration	Size	Select		
						ļ			
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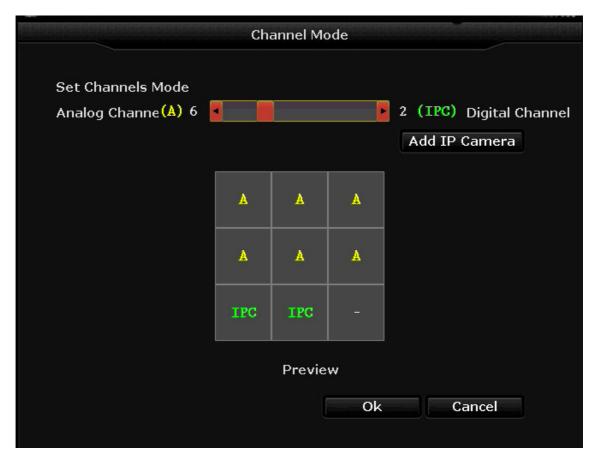
6.0 COLOR ADJUST

- 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	٩		32	Soft
Contrast	•		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.



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 cameras.

			Video Mana	ge					
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	2	Analog Device				Delete All			
	3	Analog Device				Manual Edit			
	4	Analog Device				Channel Setup			
	5	Analog Device				Channel Setup			
	6	Analog Device							
	7	IPCAM	192.168.100.110	Upda	ting				
	8	IPCamera	192.168.100.168	Connect	: Failed				
	Remaining network bandwidth: 54Mbps								
					Dk	Cancel			



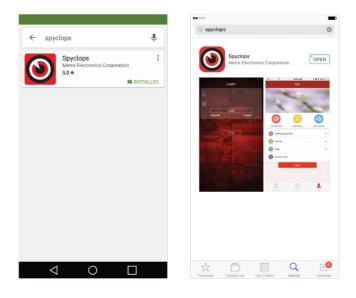
- Logout: Apply for logged in users. After logout, if you want to use the device you need to log back in.
- System reboot: it will reboot after "OK".

• **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

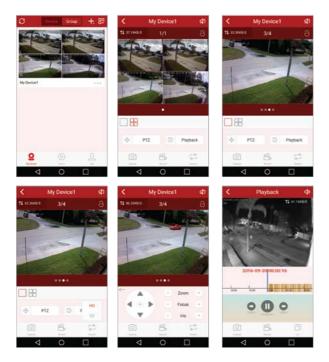
- Register User Name and Password with APP (optional) or use Trial for single phone use
- Click on icon in upper right and select "Add Device By ID"

• 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"

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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), mouse, front panel									
Video standard	NTSC and PAL									
Image compression		H.264								
Audio compression		ADPCM								
Recoding mode	Man	ual, timed, motion detect	tion or sensor							
Video Search	Time search, event	search, channel search, lo	og search and sensor search							
Backup	USB backup									
Video input	4 BNC	8 BNC								
Video output		BNC, VGA and HDMI	OUT							
Audio input	1 channel	2 channel								
Audio output	1 channel	1 channel								
Recording quality		D1 720x480 NTSC 720x	576 PAL							
		CIF 352x240 NTSC 352x								
		960H 960x480 NTSC 960	x576 PAL							
Monitoring quality	960H 960x480 NTSC 960x576 PAL									
Playback quality	In recorded quality									
Motion Detection		Yes								
Image display	1,4	1,4,8								
Video Speed	NTSC: 30 frames	/ sec (adjustable) PAL: 25	frames / sec (adjustable)							
Alarm Sensor	4 inputs/2 outputs									
Input/Output										
PTZ		RS485								
Network interface	Self-a	adaptive 10M/100M Ethe	ernet interface							
USB Interface	Two USB 2.0 high-speed interfaces									
Power		12v (adapter includ	ed)							

For Technical Support Assistance

M-F / 9-6 please call 866.839.9187





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