



SP-DRH04

SP-DRH08 / SP-DRH16

## H.264 Video Compression

### SP-DRH04 (4CH) / SP-DRH08 (8CH) / SP-DRH16 (16CH)

#### Key Features

- H.264 Main/High Profile
- Full WD1(960H) and 4/8/16CH Real-time Recording
- HDMI(1920x1080), VGA and CVBS Display
- 4CH Audio in and 1CH Audio out
- Digital Zoom in Live & Playback
- Up to x32 Search & Playback Speed
- 5 Levels Recording Quality
- Android, iPhone 3G/4G Support
- Free DDNS and CMS Supports

#### Standard Accessories

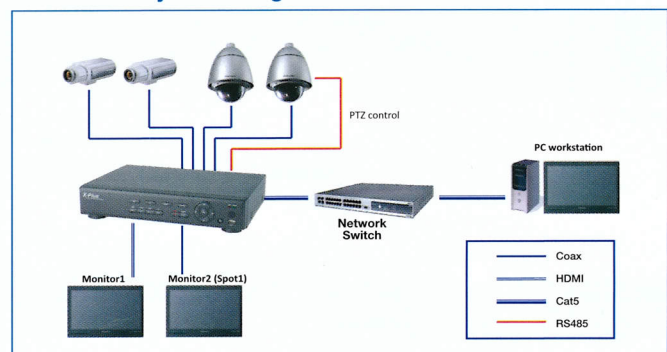
##### SP-DRH04

- Quick User Manual x 1
- Software CD x 1
- SATA & power combo cable x 1
- Brackets for HDD/DVD mounting x 4
- Batteries (for remote control) x 2
- Remote control x 1
- 3A power adaptor x 1
- 220v power cable x 1

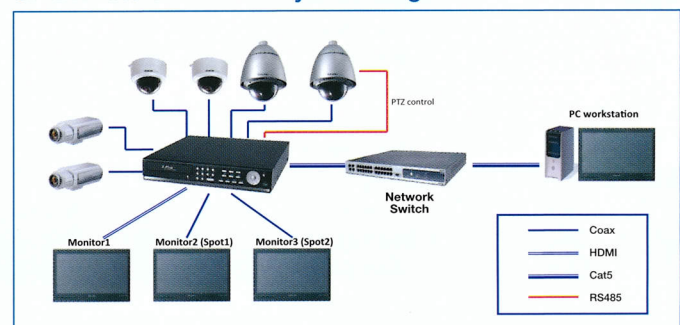
##### SP-DRH08/ SP-DRH16

- Quick User Manual x 1
- Software CD x 1
- SATA & power combo cable x 2
- Brackets for HDD/DVD mounting x 4
- Batteries (for remote control) x 2
- Remote control x 1
- 5A power adaptor x 1
- 220v power cable x 1

SP-DRH04 System Diagram



SP-DRH08/ SP-DRH16 System Diagram



X-Plus Model No.		SP-DRH04	SP-DRH08	SP-DRH16	
Video	Input	Channel	4	8	
	Output	Main Monitor	1 HDMI & 1 VGA (Max.1920x1080)		
		Sub Monitor	CVBS or SPOT	CVBS and SPOT	
Audio	Input		4CH Line		
	Output		1CH RCA		
	Audio Codec		G.711		
Alarm	Sensor Input		4CH, NC/NO Selectable		
	Alarm Output		1CH out by Sensor, Motion and Video Loss		
Operation		PentaPlex(Live/Record/Playback/Backup/Network)			
Live	Digital Zoom		Selected Area Maximize		
	Channel Sequence		3-60 Seconds Auto		
Recording	Compression		H.264 Main / High Profile		
	Resolution (PAL)	960H	100fps	200fps	400fps
		D1	100fps	200fps	400fps
		CIF	100fps	200fps	400fps
	Recording Quality Grade		Level 1 (Low), 2, 3, 4, 5 (High)		
	Recording Mode		Continuous, Schedule, Motion, Sensor, Manual		
Motion Detection		Setup by Grid			
Playback	Pre Recording		Min 15 Seconds , Max. 20 Minutes		
	Post Recording		Min 10 Seconds , Max. 60 Seconds		
	Digital Zoom		Selected Area Maximize in Live and Playback mode		
	Speed	FF	x1/4, x1/2, x2, x4, x8, x16 and x32, (x64 Single Screen)		
		FR	x1, x2, x4, x8, x16 and x32, (x64 Single Screen)		
Search Mode		Quick search, Timeline, Event, Archive, Log, Specific Time			
Backup	File Format		BMP/AVI/Proprietary Format (NSF)		
	Media		USB/Network/DVD-R (8CH)	USB/External HDD/DVD-R/Network	
	Huge Backup		Yes (Max.24 Hours)		
Network	Interface		10/100 Base-T	10/100/1000 Base-T	
	Dynamic DNS		Yes (Free)		
	Dual Streaming for Live		Main: Recording Quality, Sub: CIF		
Storage	Interface		SATA	SATA, e-SATA	
	HDD	Max.1 HDD storage size	2TB	3TB	
		Max.Internal HDD(s)	1	2 (1 with DVD-RW)	
	External Storage		N / A	1x, e-SATA	
	Filesystem		Self-developed, Reliable and Stable File System		
S.M.A.R.T		Yes (HDD Error Check and Reporting)			
User Interface	Menu Display		GUI		
	Input Method		Front Buttons, IR Remote Control, Mouse, Keyboard		
Serial	PTZ & Controller		1 RS-485	1 RS-232C & 1 RS-485	
Network Access	Web Viewer		Live, Search/Playback, Backup, PTFZ, Remote Setup & Upgrade		
	Single-site monitoring software		Live, Search/Playback, Backup, PTFZ, Remote Setup & Upgrade		
	Multi-site monitoring software		Live, Search/Playback, Backup, PTFZ, Remote Setup & Upgrade		
Features	DLS (Day Light Saving)		Yes		
	Internal Beep		By Alarm, Motion, Video Loss, HDD Error		
	Multi Language		Yes		
	Software Upgrade		USB, Network Remote Upgrade		
	NTP (Network Time Protocol)		Yes		
	Mobile Monitoring		3G/4G Mobile (iPhone, iPad, Android - phone & tablet)		
General	Operation Condition		5°C ~ 40°C, During storage: -10°C ~ +50°C		
	Power		DC 12V 3A	DC 12V 5A	
	Net Weight (Gross Weight)		1.5kg (3.0 kg)	4.1kg (6.2 kg)	
	Unit Dimension		340x262x63mm	380x340x72mm	

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