

# Professional Economy

## Compact 4Ch H.264 DVR



4CH H.264 Digital Video Recorder

# SRD-450



Although the SRD-450 is compact in size, it delivers all the core features required for today's professional security applications. As well as the ability to record real-time images across all four channels at CIF resolution, the SRD-450 also affords the user the opportunity to record in resolutions up to 4-CIF over selected channels. With 500GB on-board storage as standard (upgradable to 2TB) and with a built-in USB slot for quick and easy video back-up, the SRD-450 features high level H.264 compression to ensure superb picture quality whilst minimising hard drive space and bandwidth requirements. The SRD-450 is the ideal recording solution for users looking to match economy with professional performance and it is suitable for applications such as monitoring small offices and retail outlets.

- Up to 120 (NTSC) / 100 (PAL)fps recording rate at CIF resolution
- Full 4CIF resolution recording support
- Up to 4ch audio inputs and 1ch audio outputs
- Video (H.264) / Audio (G.711)

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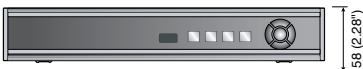
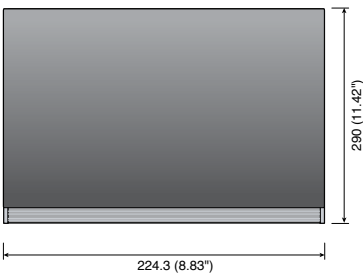


## Specifications

		SRD-450
<b>DISPLAY</b>		
Video	Inputs	4 composite video 0.5~1 Vpp, 75 ohm
	Resolution	704 x 480 NTSC, 704 x 576 PAL
	Frame Rate	120fps NTSC, 100fps PAL
Live	Resolution	704 x 480 NTSC, 704 x 576 PAL
	Multi Screen Display	1/4/SEQUENCE
<b>PERFORMANCE</b>		
Operating System	Embedded	Linux
	Compression	H.264
Recording	Record Rate	NTSC : Up to 30fps@704 x 480 / PAL : Up to 25fps@704 x 576 NTSC : Up to 60fps@704 x 240 / PAL : Up to 50fps@704 x 288 NTSC : Up to 120fps@352 x 240 / PAL : Up to 100fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 / 2 / 3 / 7 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 / 2 / 3 / 7 / 13 / 25fps)
	Overwrite Modes	Continuous
Search & Playback	Pre-alarm	Up to 5 sec.(1, 2, 3, 4, 5 sec)
	Post-alarm	Up to 180 sec (5, 10, 15, 20, 30, 60, 120, 180)
	Search Mode	Date/time, Event
Network	Playback Function	Fast forward / Backward (x2, x4, x8, 16, x32, x64) , Step Forward/Backward (x2, x4,x8,16,x32,x64)
	Transmission Speed	Up to (8)Mbps, Unlimited (8M) / 4 / 2 / 1 Mbps / 512 / 256 / 128 / 56 kbps
	Bandwidth Control	Automatic
Smart phone	Multi Stream	N/A
	Max. Remote Users	Live(4) / Backup(4) / Search(4)
	Protocol Support	TCP/IP, DHCP, DDNS, RTSP, NTP, HTTP
Storage	Monitoring	Webviewer, Smart phone (App type, Only live, 5fps /sec, iPhone (Wifi), Android (3G)) * Audio not support
	Smart Phone	Android, I-phone
	Protocol support	RTSP,HTTP
Security	Transmission speed	CIF Max 14fps(Single Channel)/ CIF Max 3.5fps(Quad Channel)
	Remote users Maximum	Live(1)
	Internal HDD	Up to 1 SATA HDD (Basic 500G, Up to 2T)
INTERFACE	External HDD	Not Support
	DVD Writer (Back up)	Not Support
	USB (Back up)	USB stick memory only (up to 20GB)
Monitors	File Format (Back up)	AVI
	Password Protection	8User (1 Admin, 7 Manager and user, Only english with special character)
	Data Authentication	Watermark
Audio	VGA	1024 x 768
	HDMI	Not support
	Main Composite	1BNC, 1 Vp-p, 75 ohm
Alarm	Spot Composite	Not support
	Loop Outputs	Not support
	Inputs/Output	4 line in / 1 line out
Connections	Compression	G.711
	Sampling rate	64KHz
	Inputs / Outputs	4CH, Pulled up to 5V via 10K Ohm / 1CH, Relay
GENERAL	Remote notification	Notification via e-mail (With 1CH snapshot JPEG image attached)
	Ethernet	1 RJ45 10/100 Base-T
	Serial interface	Not support
Electrical	USB	USB 2.0, 2 ports
	e-SATA	Not support
	Application Suport	Mouse, Remote controller
Environmental	Protocol support	Upgrade - USB stick memory
	Input Voltage/Current	DC12V adaptor, 3.3A, 100 ~ 220VAC, 50 ~ 60Hz
	Power consumption	TYP : 16.8W, MAX : 25.2W
Mechanical	Operating Temperature/Humidity	+0°C to +40°C (+32°F to +104°F) / 20%RH to 85%RH
	Dimension (W x H x D)	290 x 224.3 x 58mm (11.42" x 8.83" x 2.28")
	Weight (With hard disks)	1.88kg
Lauguage	Rack mount kit	Not support
	NTSC	English, French, Spanish
	PAL	English, French, Spanish, German, Italian, Turkish,Russian, Czech, Swedish

## Dimensions

Unit : mm (inch)



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.

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