



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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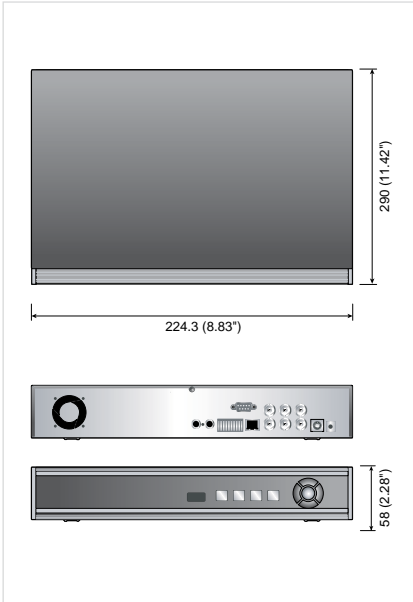


Specifications

		SRD-450
DISPLAY		
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
PERFORMANCE		
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
	Pre-alarm	Up to 5 sec.(1, 2, 3, 4, 5 sec)
Search & Playback	Post-alarm	Up to 180 sec (5, 10, 15, 20, 30, 60, 120, 180)
	Search Mode	Date/time, Event
	Playback Function	Fast forward / Backward (x2, x4, x8, 16, x32, x64) , Step Forward/Backward (x2, x4, x8, 16, x32, x64)
Network	Transmission Speed	Up to (8)Mbps, Unlimited (8M) / 4 / 2 / 1 Mbps / 512 / 256 / 128 / 56 kbps
	Bandwidth Control	Automatic
	Multi Stream	N/A
Smart phone	Max. Remote Users	Live(4) / Backup(4) / Search(4)
	Protocol Support	TCP/IP, DHCP, DDNS, RTSP, NTP, HTTP
	Monitoring	Webviewer, Smart phone (App type, Only live, 5fps /sec, iPhone (Wifi), Android (3G) * Audio not support
	Smart Phone	Android, I-phone
Storage	Protocol support	RTSP,HTTP
	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)
Security	External HDD	Not Support
	DVD Writer (Back up)	Not Support
	USB (Back up)	USB stick memory only (up to 20GB)
INTERFACE	File Format (Back up)	AVI
	Password Protection	8User (1 Admin, 7 Manager and user, Only english with special character)
Monitors	Data Authentication	Watermark
	VGA	1024 x 768
	HDMI	Not support
Audio	Main Composite	1BNC, 1 Vp-p, 75 ohm
	Spot Composite	Not support
	Loop Outputs	Not support
Alarm	Inputs/Output	4 line in / 1 line out
	Compression	G.711
Connections	Sampling rate	64KHz
	Inputs / Outputs	4CH, Pulled up to 5V via 10K Ohm / 1CH, Relay
	Remote notification	Notification via e-mail (With 1CH snapshot JPEG image attached)
GENERAL	Ethernet	1 RJ45 10/100 Base-T
	Serial interface	Not support
	USB	USB 2.0, 2 ports
	e-SATA	Not support
Electrical	Application Support	Mouse, Remote controller
	Input Voltage/Current	DC12V adaptor, 3.3A, 100 ~ 220VAC, 50 ~ 60Hz
Environmental	Power consumption	Upgrade - USB stick memory
	Operating Temperature/Humidity	Not support
Mechanical	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
	Protocol support	Not support
Lauguage	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
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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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