



Matching your requirements.

Entry level recording solution



16CH H.264 Digital Video Recorder

SRD-1610/1610D/1610DC

Forming part of the SRD series of Digital Video Recorders (DVRs), the SRD-1610 range provides users with an entry-level 16 channel recording solution that has been designed to perfectly match the functionality and budget requirements for a host of professional security applications. Providing real-time live view and selectable recording rates across all channels, users are able to record up to 120/100 (NTSC/PAL) fps at CIF resolution, 60/50 fps at 2-CIF resolution and 30/25 fps at 4-CIF resolution. Besides its flexible recording capacity, like all SRD series DVRs the SRD-1610 range utilises Samsung's high level H.264 compression to ensure superb quality, whilst minimising hard drive space and bandwidth requirements. Options include a built-in DVD drive (SRD-1610D) and coaxial control compatibility (SRD-1610DC).

- Up to 120 (NTSC) / 100 (PAL)fps recording rate
- Up to 4ch audio inputs and 1ch audio outputs
- SRD-1610 : Max. 6 internal HDD (HDD x 6)
SRD-1610D(C) : Max. 5 internal HDD (HDD x 5)
- SRD-1610D(C) : DVD-RW backup support
- SRD-1610DC : PTZ control via coaxial cable
- Video (H.264) / Audio (ADPCM)

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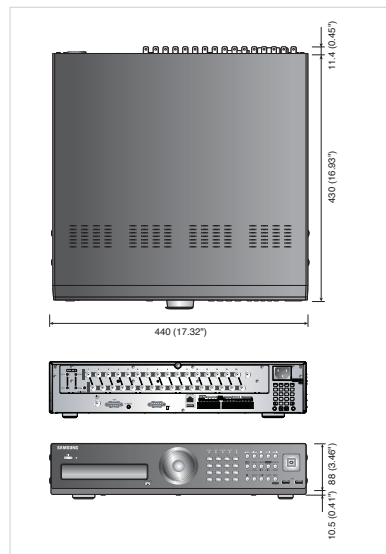


Specifications

	SRD-1610	SRD-1610D	SRD-1610DC
DISPLAY			
Video	Inputs	16 composite video 0.5-1 Vpp, 75 ohm automatic termination	
	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	Frame Rate	NTSC : 480fps / PAL : 400fps	
Live	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 13 / 16 / PIP	
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 (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)	
	Overwrite Modes	Continuous	
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)	
Search & Playback	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)	
	Search Mode	Date/Time, Event, Back up, Pos, Motion (*All search mode include preview function)	
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward	
Transmission Speed	Transmission Speed	Up to 4Mbps, Unlimited 4M / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kpbs	
	Bandwidth Control	Automatic	
	Stream	H.264 (4CIF / 2CIF / CIF selectable)	
Network	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20	
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP	
	Monitoring	Net-i viewer, Smart viewer, Web viewer	
	Internal HDD	Up to 6 SATA HDDs	Up to 5 SATA HDDs
Storage	DVD Writer (Back up)	N/A	Yes
	USB (Back up)	3 USB ports	
	File Format (Back up)	AVI, MDB (DVR play back), EXE (Include player)	
Security	Password Protection	1 Admin, 10 group, 20 user per 1 group, User can be assigned authority for function	
	Data Authentication	Watermark	
INTERFACE			
Monitors	VGA	Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution	
	Main Composite	BNC, 1.0 Vp-p, 75 ohm	
	Spot Composite	1 BNC, 1.0 Vp-p, 75 ohm, Support multi screen and camera title	
Audio	Loop Outputs	16	
	Inputs/Output	4 Line in / 1 Line out	
	Compression	ADPCM	
Alarm	Sampling rate	16KHz	
	Inputs / Outputs	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC), Rating : 30V DC/2A, 125V AC/0.5A	
	Remote notification	Notification via e-mail	
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T	
	Serial interface	RS-232/RS-485 for PTZ, System keyboard	
	USB	USB 2.0, 3 ports	
	Application Support	Mouse, Remote controller	
GENERAL	Protocol support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, Vicom * SRD-1610DC : PTZ Control via Coaxial Cable (Samsung CCVC, Pelco-C (Coaxitron))	
Electrical	Input Voltage/Current	100 to 240V AC ±10%, 50/60Hz, Auto ranging	
	Power consumption	Max. 35W (With 1x HDD)	
Environmental	Operating Temperature/Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH	
	Dimension (W x H x D)	440 x 88 x 430mm (17.32" x 3.46" x 16.93")	
Mechanical	Weight (With hard disks)	Approx. 7.3Kg (16.09 lb)	
	Rack mount kit	2ea	
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thailandais, Rumanian, Serbian, Croatian, Hungarian, Greek (22 Language)	

Dimensions

Unit : mm (inch)



The Eco mark represents Samsung Technwin'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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